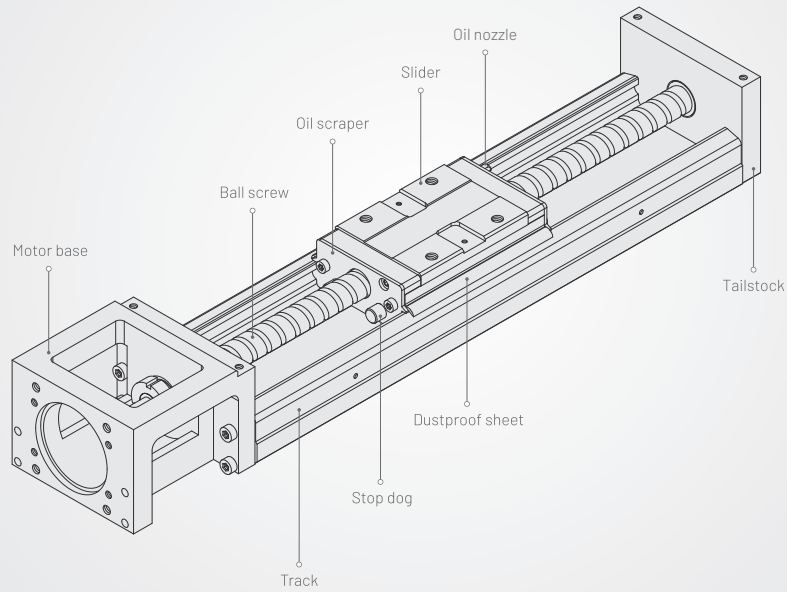


KK module structure



Module introduction

The KK-type single-axis robot features a modular design that integrates a ball screw and linear guide, offering characteristics such as high precision, quick installation, flexible selection options, high rigidity, compact size, and space-saving efficiency. Utilizing a high-precision ball screw combined with an optimally designed U-shaped rail, it ensures both precision and rigidity requirements are fulfilled.

Characteristic



Easy to design and install



High rigidity



Small size and light Weight



Fully equipped

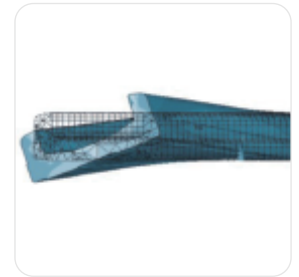
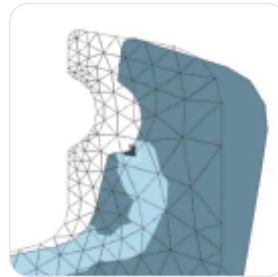


High precision



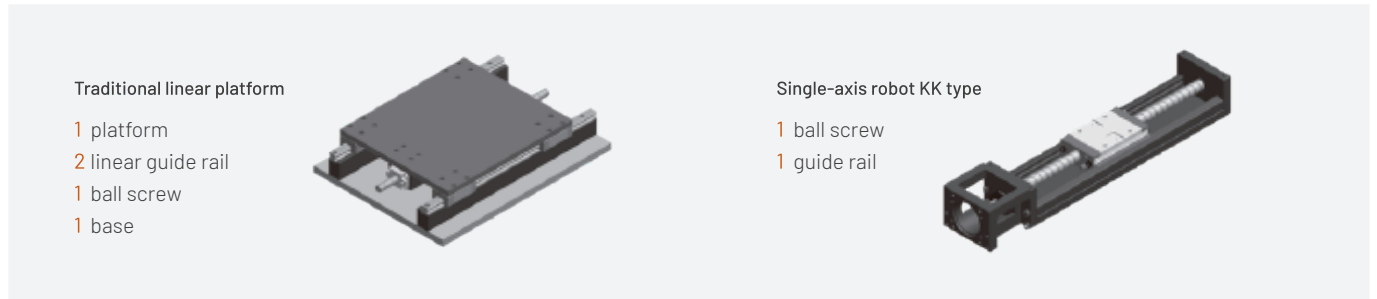
Optimal design

The rail structure has undergone finite element analysis to achieve the optimal balance between rigidity and weight, as shown in the figure below:



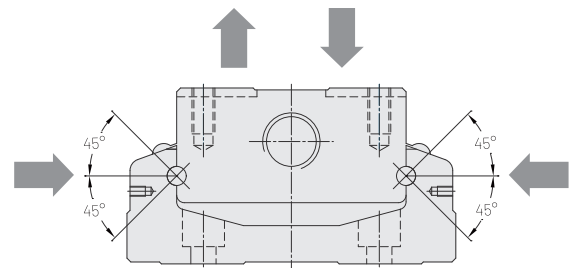
a Modularity

Compared to traditional linear platforms, the KK-type single-axis robot overcomes issues such as having multiple guiding and driving components, complex installation, and large size. It offers characteristics such as quick selection, easy installation, compact size, and high rigidity, significantly reducing the space and time required for client operations.



b Four-way equal load

The ball and screw in the ball screw system have a 45° contact angle, enabling the KK-type single-axis robot to withstand equal loads in four directions.

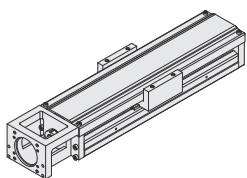


c Optional accessories

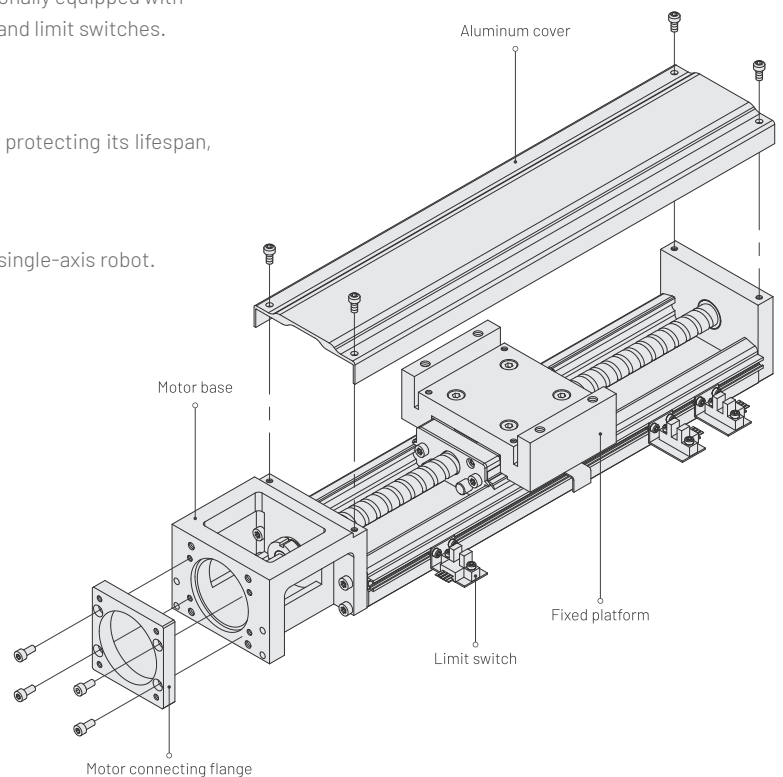
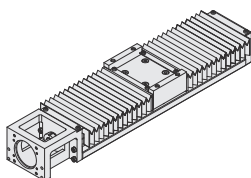
To meet various needs, the KK-type single-axis robot can be optionally equipped with aluminum covers, telescopic sheath, motor connecting flanges, and limit switches.

- ① **Aluminum cover and telescopic sheath**
Prevents debris from entering the KK-type single-axis robot, protecting its lifespan, maintaining precision, and ensuring smooth operation.
- ② **Motor connecting flange**
Allows different motor models to be mounted on the KK-type single-axis robot.
- ③ **Limit switch**
provides slider positioning, origin start, and prevents the slider from exceeding its maximum stroke.

● **Aluminum cover type**



● **Telescopic sheath type**



LGTH series

LGCH series

LETH series

LECH series

KK series

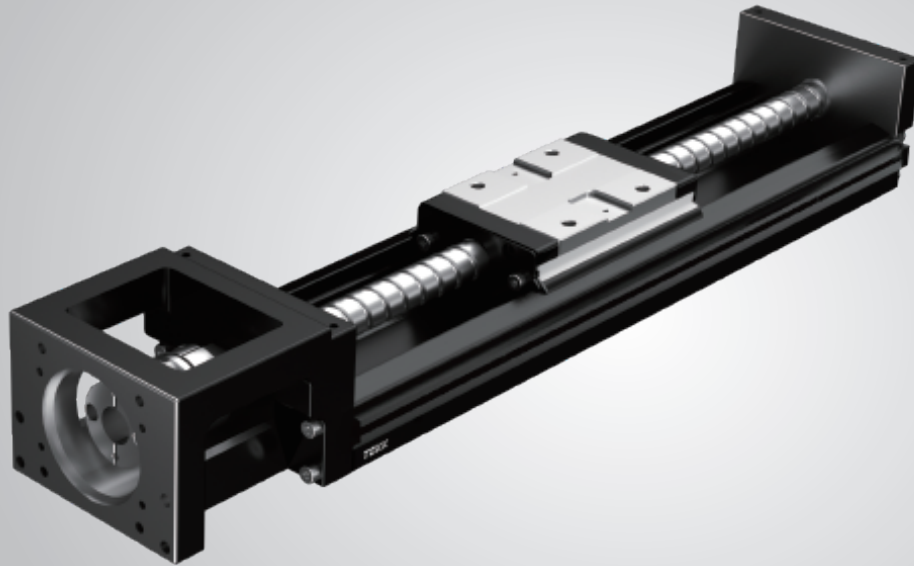
Single-axis robot KK type

6-24μm

1480mm/s

150-600N

P/C级



Product model

KK 60D 10 P K - 400 X A 2 - F0 C S0

KK series

Size

30D
40D
50D
60D
86D
100D
130D

Ball screw (BS) lead

KK30D	1
KK40D	2
KK50D	2
KK60D	5, 10
KK86D	10, 20
KK100D	20
KK130D	25

Accuracy

P	Precision
C	General

Ball screw

Unsigned:
Ball screw standard type
记号K:
KK30D—无
KK40D—无
KK50D—无
KK60D—K3
KK86D—K3
KK100D—K4
K130D—K5

Track length

KK30D	75, 100, 125, 150, 175, 200
KK40D	100, 150, 200
KK50D	150, 200, 250, 300
KK60D	150, 200, 300, 400, 500, 600
KK86D	340, 440, 540, 640, 740, 940
KK100D	980, 1080, 1180, 1280, 1380
KK130D	980, 1180, 1380, 1680

Track

Unsigned :Track standard type
记号K:
KK30D—无
KK40D—无
KK50D—无
KK60D—X
KK86D—X
KK100D—X
K130D—无

Sliding seat

A	Standard
S	Light load type

Including limit switch

S0	只有极限轨道
S2	674NPN
S4	674PNP
参考:33页	

Cover

C	Aluminum cover
B	Telescopic sheath
无记号	No cover

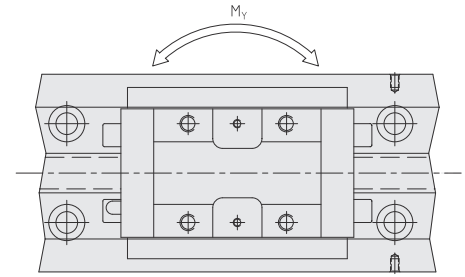
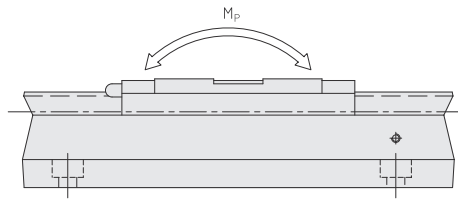
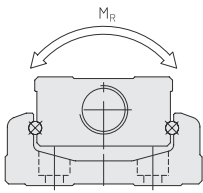
Motor connecting flange

FE	Special processing
参考:27-31页	

Number

1	2
---	---

Load specification



Unit: mm

Model	Ball screw				Linear guides																								
	Precision	Nominal outer diameter (mm)	Lead (mm)	Basic dynamic load rating (N)	Basic static load rating (N)	Basic dynamic load rating (N)				Basic static load rating (N)				Pitch M_p (N-m)				Skew M_y (N-m)				Scroll M_R (N-m)							
						Slide A		Slide S		Slide A		Slide S		Slide A1		Slide A2		Slide S1		Slide S2		Slide A1		Slide A2		Slide S1		Slide S2	
						A	S	A	S	A1	A2	S1	S2	A1	A2	S1	S2	A1	A2	S1	S2	A1	A2	S1	S2				
KK30D01	Precision	6	1	647	1088	2210	-	3510	-	14	73	-	-	14	73	-	-	41	82	-	-								
	General			618	1079																								
KK40D02	Precision	8	2	735	1538	3920	-	6468	-	33	182	-	-	33	182	-	-	81	162	-	-								
	General			676	1284																								
KK50D02	Precision	8	2	2136	3489	8007	-	12916	-	116	545	-	-	116	545	-	-	222	444	-	-								
	General			1813	2910																								
KK60D05	Precision	12	5	3744	6243	13230	7173	21462	11574	152	760	72	367	152	760	72	367	419	838	241	482								
	General			3377	5625																								
KK60D10	Precision	12	10	2410	3743	13230	7173	21462	11574	152	760	72	367	152	760	72	367	419	838	241	482								
	General			2107	3234																								
KK86D10	Precision	15	10	7144	12642	31458	21051	50674	29475	622	3050	228	1309	622	3050	228	1309	1507	3104	847	1694								
	General			6429	11387																								
KK86D20	Precision	15	20	4645	7655	31458	21051	50674	29475	622	3050	228	1309	622	3050	228	1309	1507	3104	847	1694								
	General			4175	6889																								
KK100D20	Precision	20	20	7046	12544	39200	-	63406	-	960	4763	-	-	960	4763	-	-	2205	4410	-	-								
	General			4782	9163																								
KK130D25	Precision	25	25	7897	15931	48101	-	84829	-	1536	7350	-	-	1530	7350	-	-	3885	7770	-	-								
	General			7092	14352																								

LGTH series

LGCH series

LETH series

LECH series

KK series

Accuracy class

Model	Track length	Location reproducibility		Positioning accuracy		Walking parallelism		Maximum starting torque	
		Precision	General	Precision	General	Precision	General	Precision	General
KK30D	75	±0.003	±0.004	±0.020	±0.040	±0.010	0.020	1.2	0.8
	100								
	125								
	150								
	175								
	200								
KK40D	100	±0.003	±0.005	±0.020	-	±0.010	-	1.2	0.8
	150								
	200								
KK50D	150	±0.003	±0.005	±0.020	-	±0.010	-	4	2
	200								
	250								
	300								
KK60D	150	±0.003	±0.005	±0.020	-	±0.010	-	15	7
	200								
	300								
	400								
	500								
KK86D	600	±0.003	±0.005	±0.025	-	±0.015	-	15	7
	340								
	440								
	540								
	640								
	740								
KK100D	940	±0.003	±0.005	±0.030	-	±0.020	-	17	10
	980								
	1080								
	1180								
	1280								
	1380								
KK130D	980	±0.005	±0.01	±0.035	-	±0.025	-	25	15
	1180								
	1380								
	1680								

LGTH LGTH series
 LGCH LGCH series
 LETH LETH series
 LECH LECH series
 KK KK series

Maximum speed

Model	Ball screw lead (mm)	Track length L2 (mm)	Velocity (mm/sec)	
			Precision	General
KK30D	01	75	160	160
		100	160	160
		125	160	160
		150	160	160
		175	160	160
		200	160	160
KK40D	02	100	270	270
		150	270	270
		200	270	270
KK50D	02	150	270	270
		200	270	270
		250	270	270
		300	270	270
KK60D	05	150	550	390
		200	550	390
		300	550	390
		400	550	390
		500	550	390
	10	600	340	340
		150	1100	790
		200	1100	790
		300	1100	790
		400	1100	790
KK86D	10	500	1100	790
		600	670	670
		340	740	520
		440	740	520
		540	740	520
		640	740	520
	20	740	740	520
		940	610	430
		340	1480	1050
		440	1480	1050
		540	1480	1050
		640	1480	1050
		740	1480	1050
KK100D	20	940	1220	870
		980	1120	800
		1080	980	800
		1180	750	750
		1280	630	630
KK130D	25	1380	530	530
		980	1120	800
		1180	1120	800
		1380	830	800
		1680	550	550

LGTH series

LGCH series

LETH series

LECH series

KK series

Lubrication

The KK-type single-axis robot, lacking proper lubrication, will experience increased friction in the rolling components, leading to a shortened lifespan. The functions of the lubricant primarily include:



reducing friction in the rolling parts to prevent burns and minimize wear



forming an oil film at the rolling interface to extend the fatigue life of the balls



preventing rust

① Lubricating grease

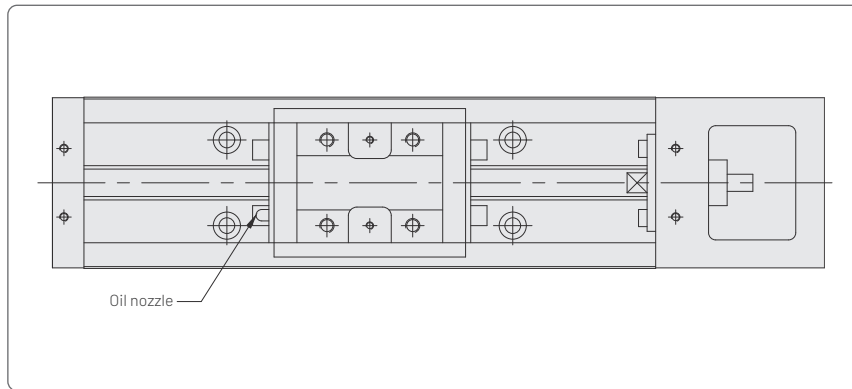
It is recommended that users supplement the lubrication grease once every 100 km. This can be done using a grease gun through the oil nozzle on the slider to inject grease into the slider. The lubricant is suitable for applications where the speed does not exceed 60 m/min and where there are no cooling requirements.

$$T = \frac{100 \times 1000}{V_e \times 60}$$

T : lubrication Interval (hour)
Ve: speed (m/min)

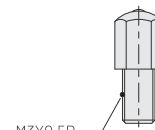
② Nozzle configuration diagram

① Single slider



③ KK use nozzle

KK40D

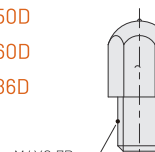


NO.34310010

KK50D

KK60D

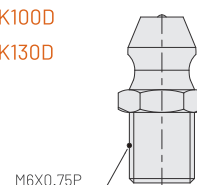
KK86D



NO.343100002

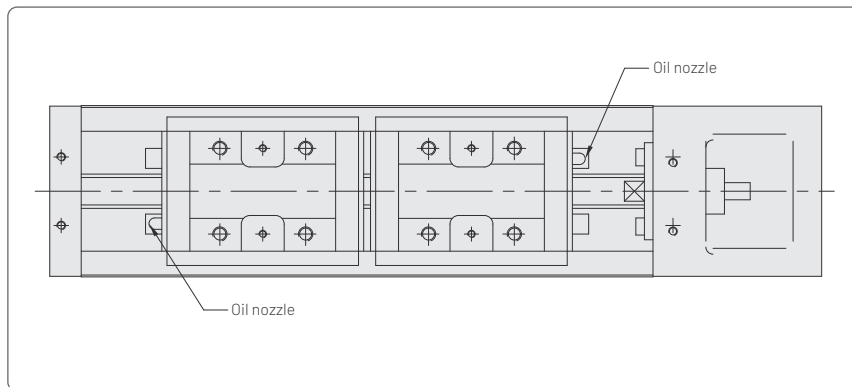
KK100D

KK130D



NO.343100008

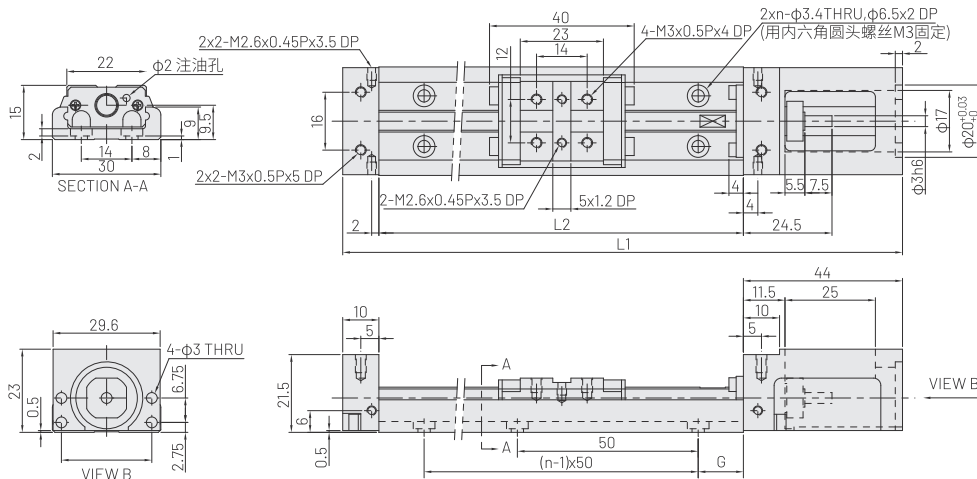
② Double slider



Single-axis robot KK type | Without cover

KK30D

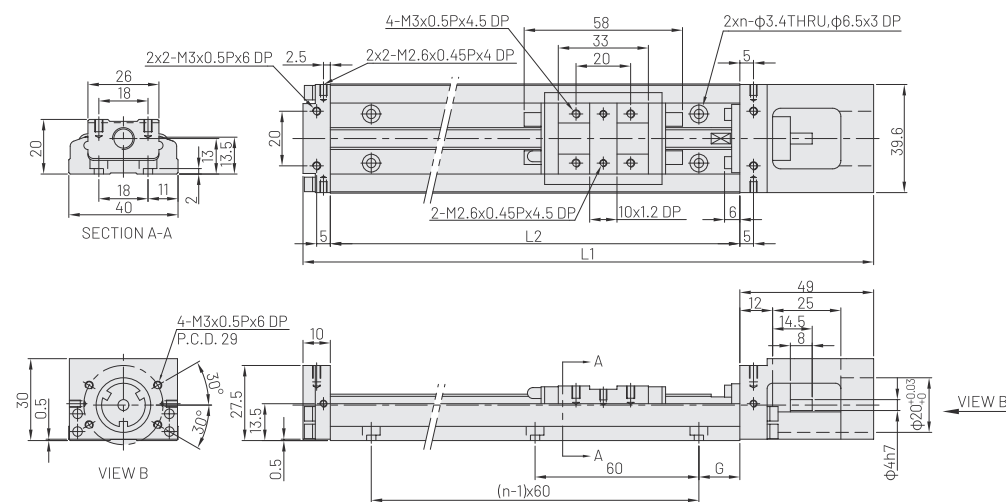
Unit:mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide			A1 Slide	A2 Slide
75	129	31	-	12.5	2	0.2	-
100	154	56	-	25	2	0.23	-
125	179	81	45	12.5	3	0.26	0.3
150	204	106	70	25	3	0.29	0.33
175	229	131	95	12.5	4	0.32	0.36
200	254	156	120	25	4	0.35	0.39

KK40D

Unit:mm

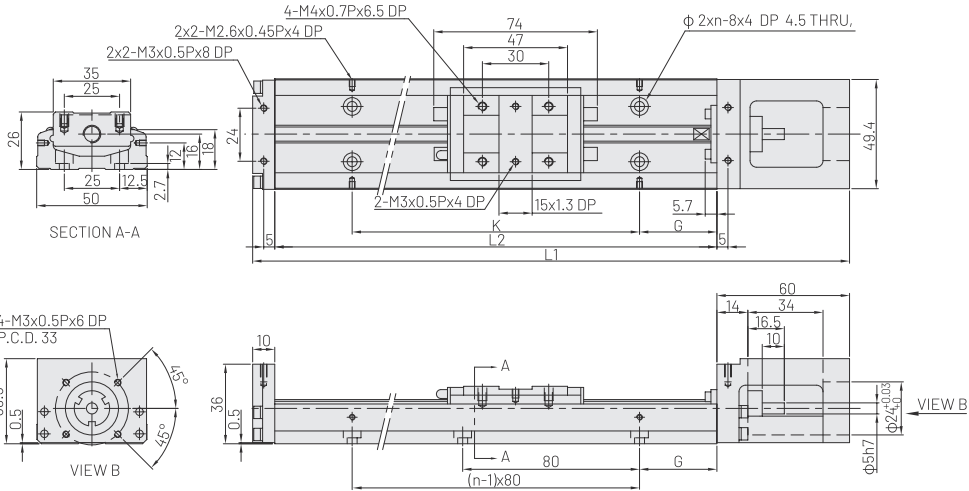


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide			A1 Slide	A2 Slide
100	159	36	-	20	2	0.48	-
150	209	86	34	15	3	0.6	0.67
200	259	136	84	40	3	0.72	0.79

Single-axis robot KK type | Without cover

KK50D

Unit: mm

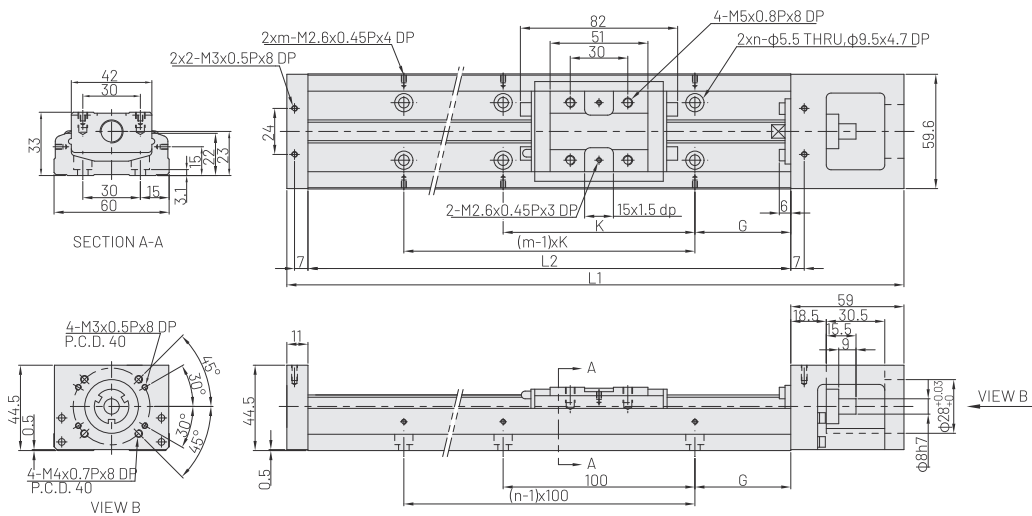


轨道长度 Track length L2(mm)	全长 Length L1(mm)	最大行程 Maximum stroke (mm)		G(mm)	K(mm)	n	重量 Weight (kg)	
		A1 滑座 Slide	A2 滑座 Slide				A1 滑座 Slide	A2 滑座 Slide
150	220	70	-	35	80	2	1	-
200	270	120	55	20	160	3	1.2	1.4
250	320	170	105	45	160	3	1.4	1.6
300	370	220	155	30	240	4	1.6	1.8

KK60D

Standard type

Unit: mm



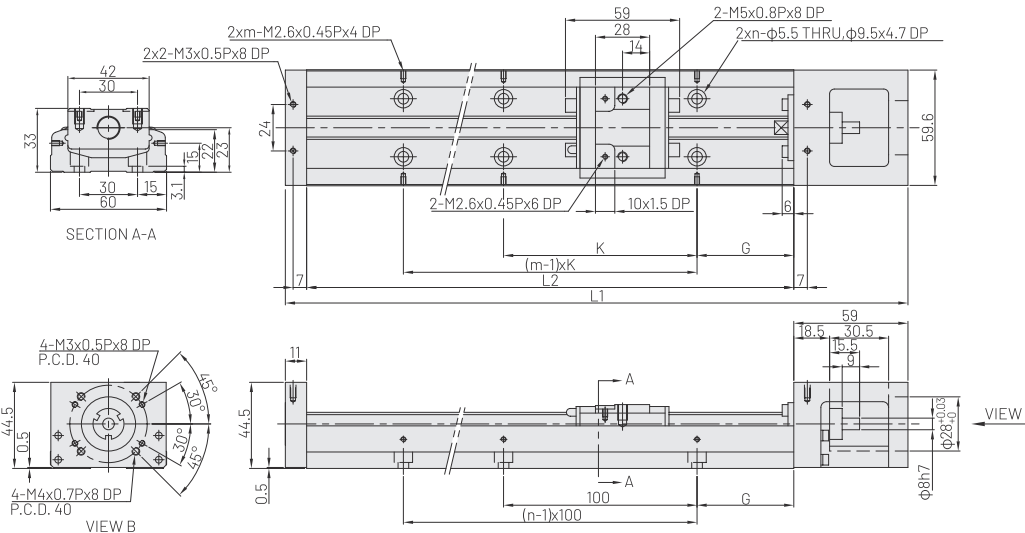
Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
150	220	60	-	25	100	2	2	1.5	-
200	270	110	-	50	100	2	2	1.8	-
300	370	210	135	50	200	3	2	2.4	2.7
400	470	310	235	50	100	4	4	3	3.3
500	570	410	335	50	200	5	3	3.6	3.9
600	670	510	435	50	100	6	6	4.2	4.6

Single-axis robot KK type | Without cover

KK60D

Light load type

Unit: mm

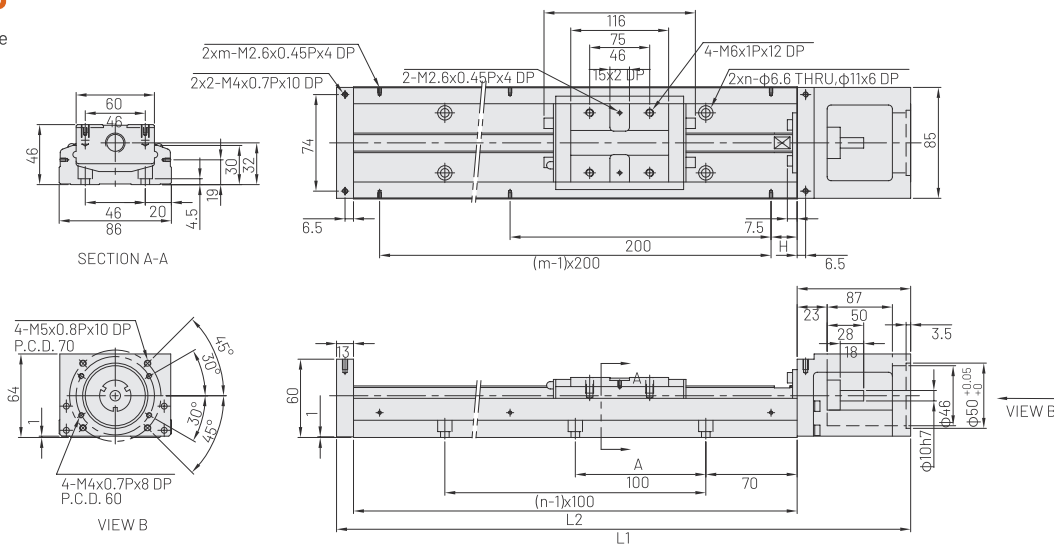


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n	m	Weight (kg)	
		S1 Slide	S2 Slide					S1 Slide	S2 Slide
150	220	85	34	25	100	2	2	1.4	1.6
200	270	135	84	50	100	2	2	1.7	1.9
300	370	235	184	50	200	3	2	2.3	2.5
400	470	335	284	50	100	4	4	2.9	3.1
500	570	435	384	50	200	5	3	3.5	3.7
600	670	535	484	50	100	6	6	4.1	4.3

KK86D

Standard type

Unit: mm



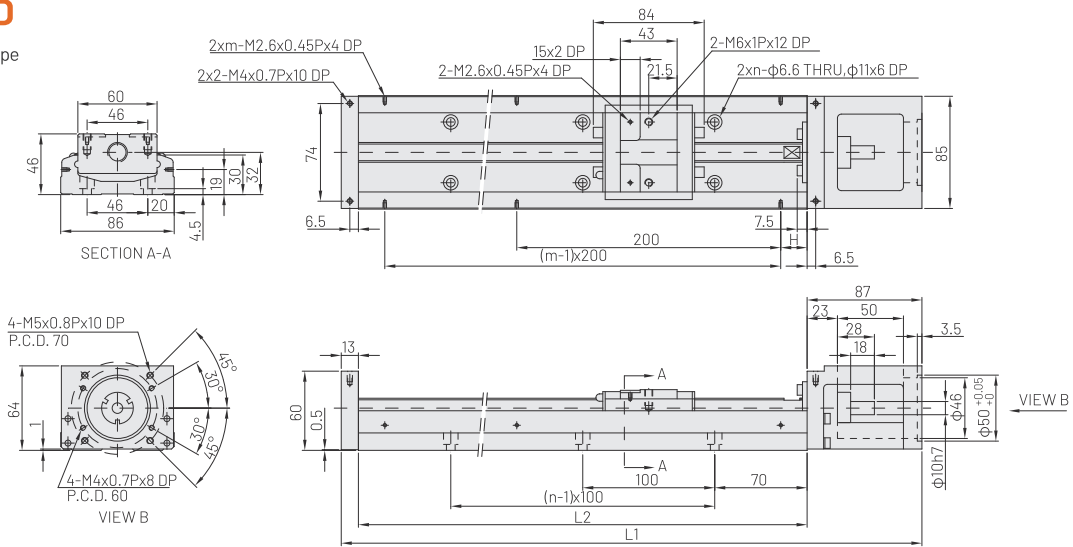
Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide				A1 Slide	A2 Slide
340	440	216.5	108.5	70	3	2	5.7	6.5
440	540	316.5	208.5	20	4	3	6.9	7.7
540	640	416.5	308.5	70	5	3	8	8.8
640	740	516.5	408.5	20	6	4	9.2	10
740	840	616.5	508.5	70	7	4	10.4	11.2
940	1040	816.5	708.5	70	9	5	11.6	12.4

Single-axis robot KK type | Without cover

KK86D

Light load type

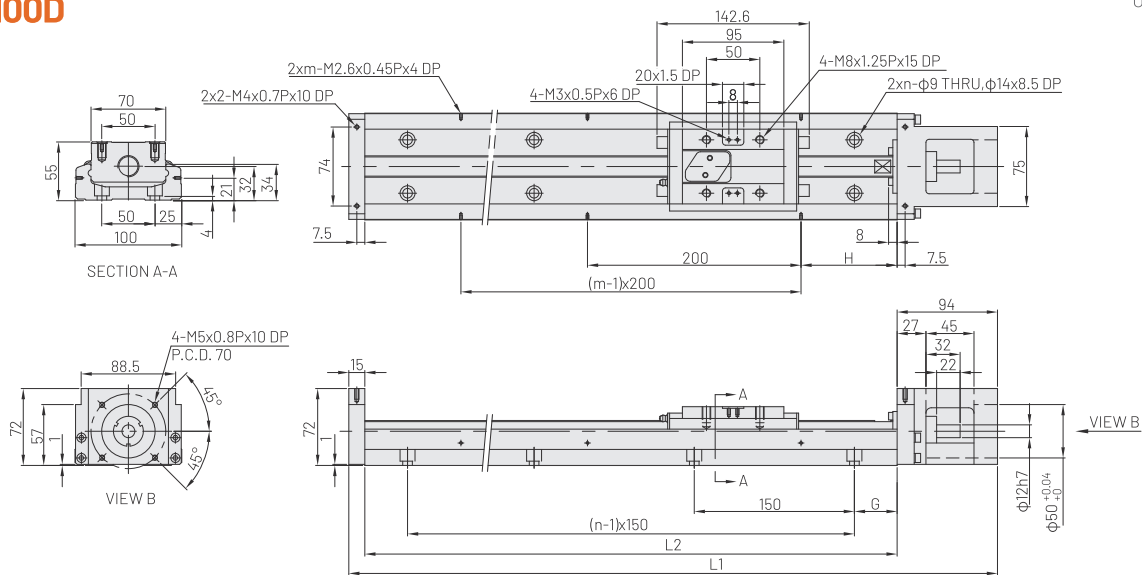
Unit: mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide				A1 Slide	A2 Slide
340	440	248.5	172.5	70	3	2	5.4	5.9
440	540	348.5	272.5	20	4	3	6.6	7.1
540	640	448.5	372.5	70	5	3	7.7	8.2
640	740	548.5	472.5	20	6	4	8.9	9.4
740	840	648.5	572.5	70	7	4	10.1	10.6
940	1040	848.5	772.5	70	9	5	11.3	11.8

KK100D

Unit: mm



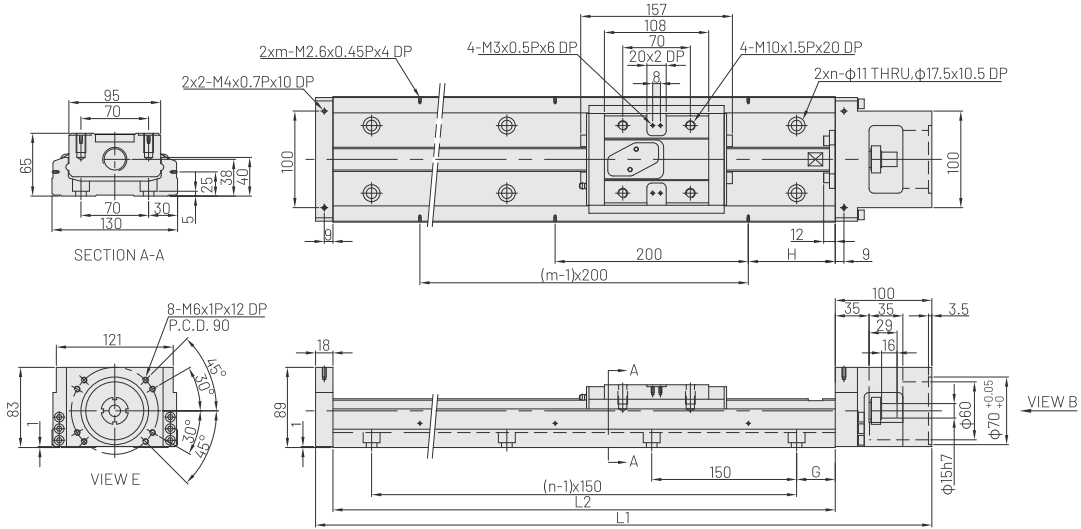
Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1089	828	700	40	90	7	5	18.6	20.3
1080	1189	928	800	15	40	8	6	20.3	22
1180	1289	1028	900	65	90	8	6	22	23.7
1280	1389	1128	1000	40	40	9	7	23.6	25.3
1380	1489	1228	1100	15	90	10	7	25.3	27

LGTH series
 LGCH series
 LETH series
 LECH series
 KK series

Single-axis robot KK type | Without cover

KK130D

Unit:mm

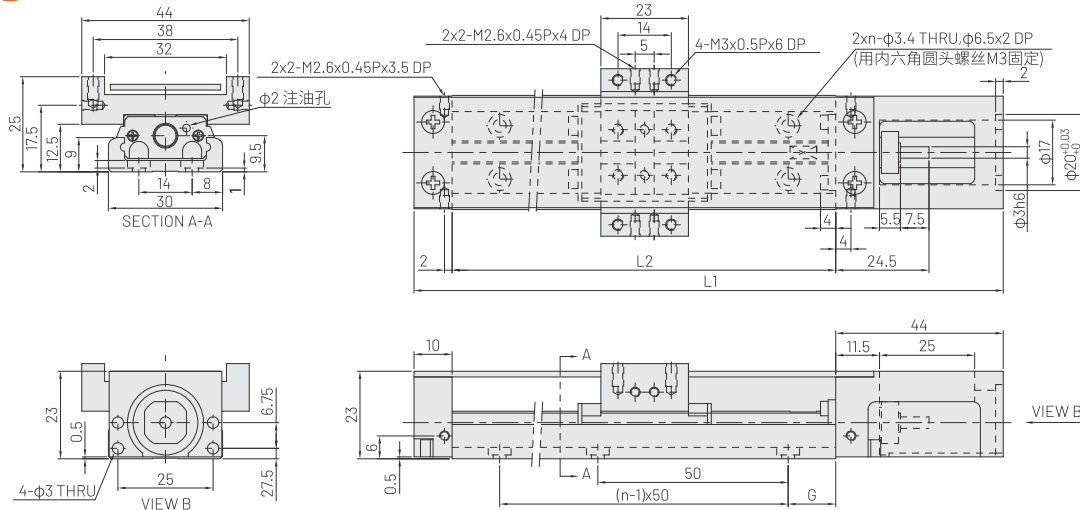


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1098	811	659	40	90	7	5	29.4	32.3
1180	1298	1011	859	65	90	8	6	34.3	37.2
1380	1498	1211	1059	90	90	9	7	39.2	42.1
1680	1798	1511	1359	90	40	11	9	46.5	49.4

Single-axis robot KK type | Cover included

KK30D

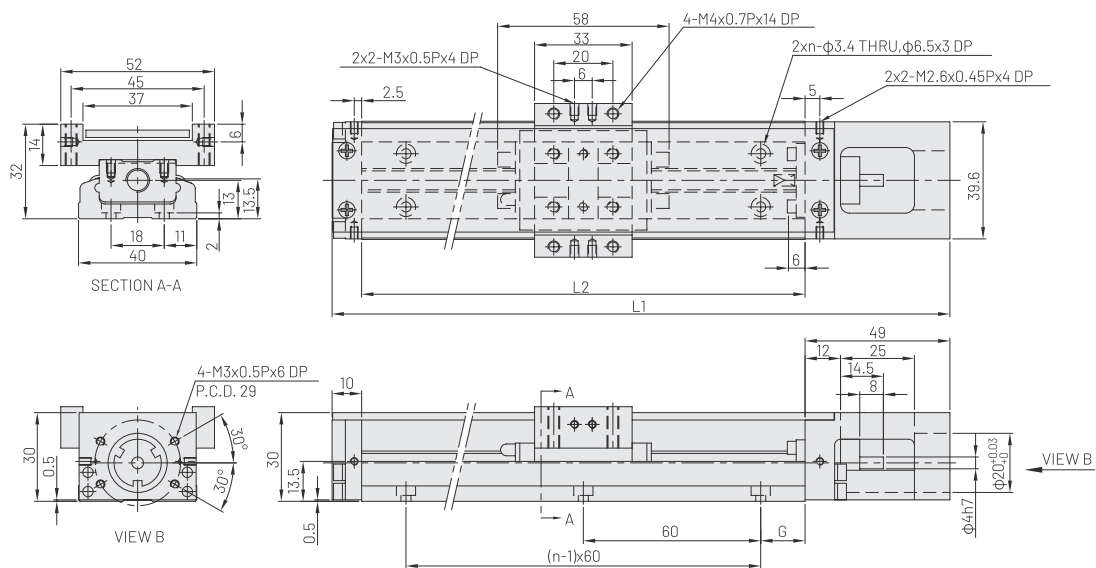
Unit: mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide			A1 Slide	A2 Slide
75	129	31	-	12.5	2	0.24	-
100	154	56	-	25	2	0.27	-
125	179	81	45	12.5	3	0.3	0.36
150	204	106	70	25	3	0.33	0.39
175	229	131	95	12.5	4	0.37	0.43
200	254	156	120	25	4	0.4	0.46

KK40D

Unit: mm

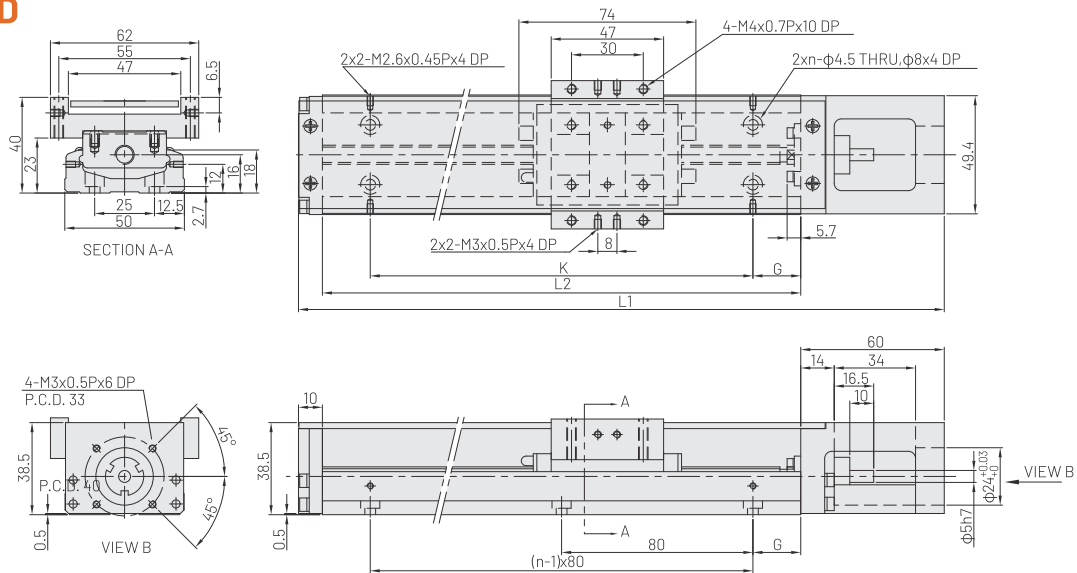


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide			A1 Slide	A2 Slide
100	159	36	-	20	2	0.55	-
150	209	86	34	15	3	0.68	0.76
200	259	136	84	40	3	0.82	0.89

Single-axis robot KK type | Cover included

KK50D

Unit: mm

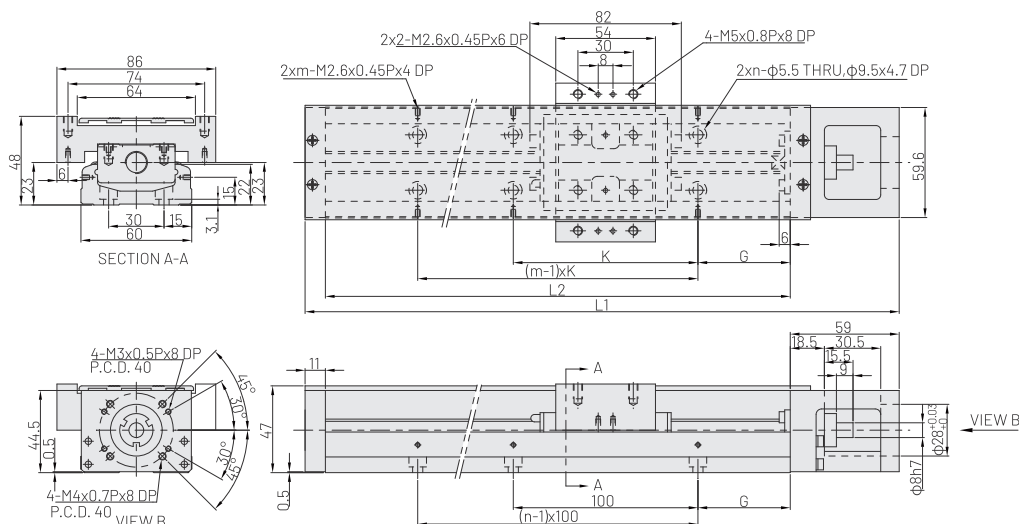


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide				A1 Slide	A2 Slide
150	220	70	-	35	80	2	1.1	-
200	270	120	55	20	160	3	1.3	1.5
250	320	170	105	45	160	3	1.6	1.8
300	370	220	155	30	240	4	1.8	2

KK60D

Standard type

Unit: mm



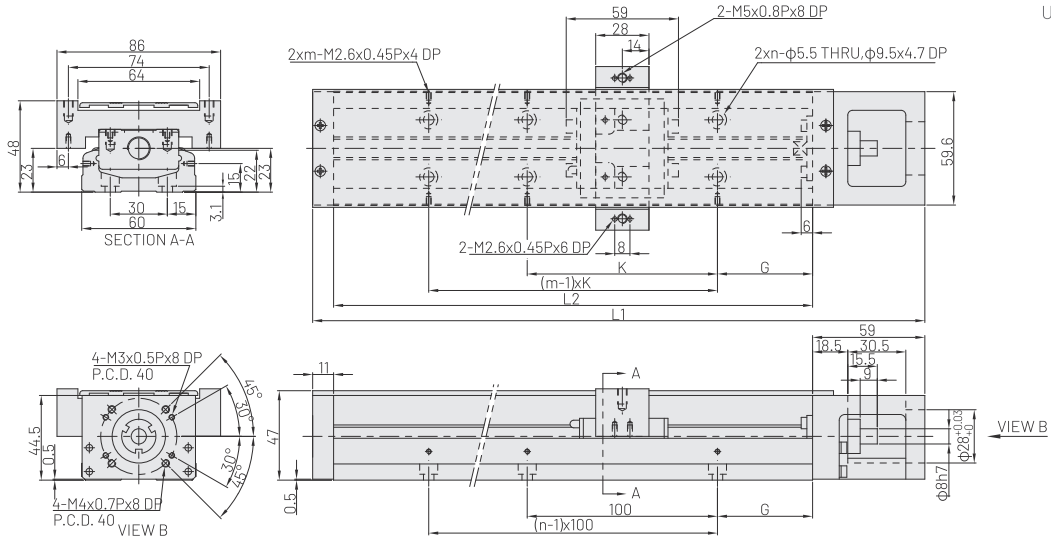
Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
150	220	60	-	25	100	2	2	1.7	-
200	270	110	-	50	100	2	2	2.1	-
300	370	210	135	50	200	3	2	2.7	3
400	470	310	235	50	100	4	4	3.3	3.6
500	570	410	335	50	200	5	3	3.9	4.2
600	670	510	435	50	100	6	6	4.6	5

Single-axis robot KK type | Cover included

KK60D

Light load type

Unit: mm

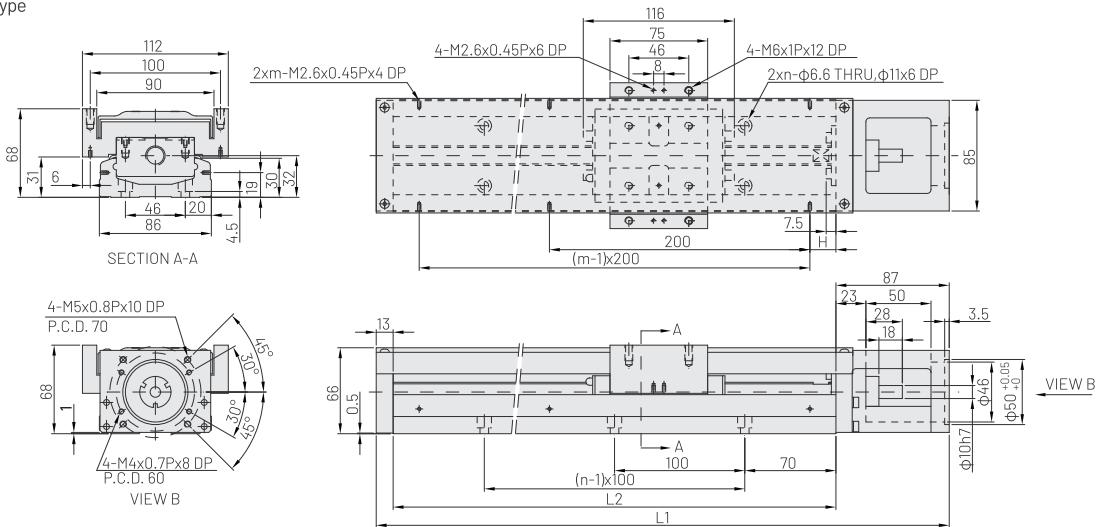


Track length L2(mm)	Length L1(mm)	Maximum stroke(mm)				G(mm)	K(mm)	n(mm)	n(mm)	Weight(kg)	
		A1 Slide	A2 Slide	A1 Slide	A2 Slide						
150	220	85	34	25	100	2	2	1.6	1.8		
200	270	135	84	50	100	2	2	1.9	2.1		
300	370	235	184	50	200	3	2	2.5	2.7		
400	470	335	284	50	100	4	4	3.1	3.3		
500	570	435	384	50	200	5	3	3.7	3.9		
600	670	535	484	50	100	6	6	4.4	4.6		

KK86D

Standard type

Unit: mm



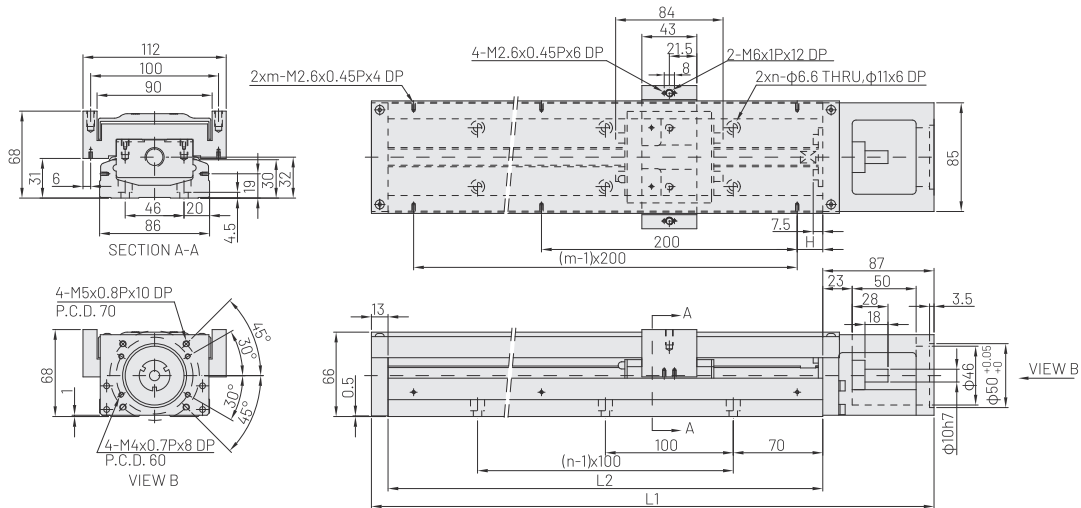
Track length L2(mm)	Length L1(mm)	Maximum stroke(mm)		H(mm)	n	m	Weight(kg)	
		A1 Slide	A2 Slide				A1 Slide	A2 Slide
340	440	216.5	108.5	70	3	2	6.5	7.3
440	540	316.5	208.5	20	4	3	7.8	8.6
540	640	416.5	308.5	70	5	3	9	9.8
640	740	516.5	408.5	20	6	4	10.3	11.3
740	840	616.5	508.5	70	7	4	11.6	12.4
940	1040	816.5	708.5	70	9	5	13	13.8

Single-axis robot KK type | Cover included

KK86D

Light load type

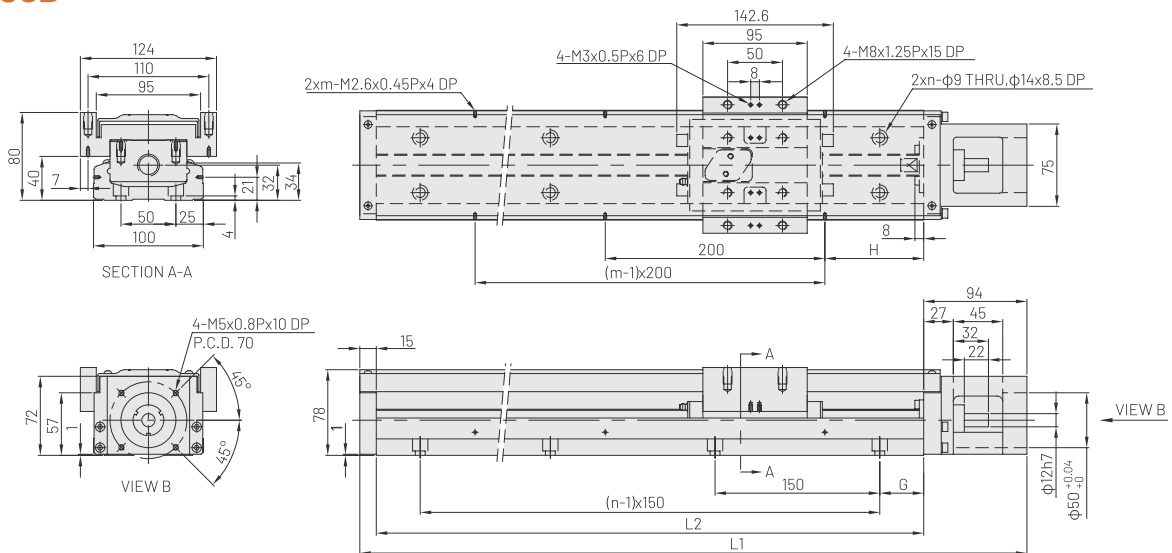
Unit: mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide				A1 Slide	A2 Slide
340	440	248.5	172.5	70	3	2	6.3	7.1
440	540	348.5	272.5	20	4	3	7.6	8.4
540	640	448.5	372.5	70	5	3	8.8	9.6
640	740	548.5	472.5	20	6	4	10.1	11.1
740	840	648.5	572.5	70	7	4	11.4	12.2
940	1040	848.5	772.5	70	9	5	12.8	13.6

KK100D

Unit: mm

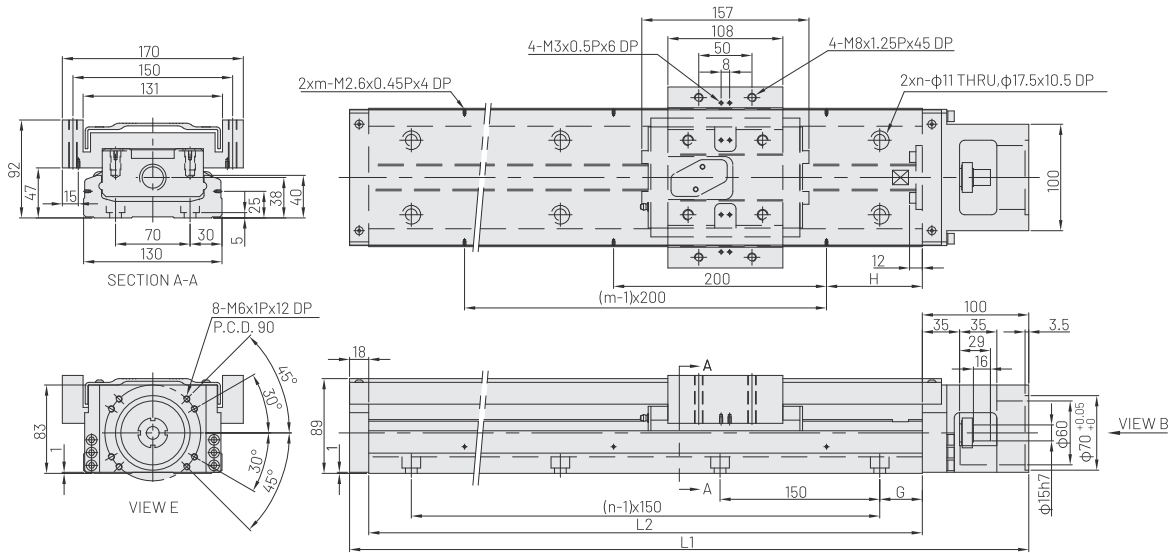


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1089	828	700	40	90	7	5	20.4	22.1
1080	1189	928	800	15	40	8	6	22.2	23.9
1180	1289	1028	900	65	90	8	6	24	25.7
1280	1389	1128	1000	40	40	9	7	25.7	27.4
1380	1489	1228	1100	15	90	10	7	27.5	29.2

Single-axis robot KK type | Cover included

KK130D

Unit: mm



Track length L2(mm)	Length L(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight(kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1098	811	659	40	90	7	5	31.9	35.9
1180	1298	1011	859	65	90	8	6	37.1	41.1
1380	1498	1211	1059	90	90	9	7	42.2	46.2
1680	1798	1511	1359	90	40	11	9	49.9	53.9

LGTH
LECH
LETH
LECH
KK

Applicable motor comparison table

1 Mitsubishi servo motor

Output power	Motor	Weight (kg)	Applicable flange							Brake (kg)	Driver	Weight (kg)	Notes
			KK30D	KK40D	KK50D	KK60D	KK86D	KK100D	KK130D				
10W	HC-AQ0135D	0.19	F1	-	-	-	-	-	-	0.29	M2-JR-03A5	0.2	
20W	HC-AQ0235D	0.22	F1	-	-	-	-	-	-	0.32	M2-JR-03A5	0.2	
50W	HF-KP053	0.35	-	F1	F1	F1	F2	-	-	0.75	MR-J3S-10A	0.8	220V
100W	HF-KP13	0.56	-	F1	F1	F1	F2	-	-	0.89	MR-J3S-10A	0.8	220V
200W	HF-KP23	0.94	-	-	-	-	F0	F0	F1	1.6	MR-J3S-20A	0.8	220V
400W	HF-KP43	1.5	-	-	-	-	F0	F0	F1	2.1	MR-J3S-40A	1	220V
750W	HF-KP73	2.9	-	-	-	-	-	F1	F2	4	MR-J3S-70A	1.4	220V

2 Panasonic servo motor

Output power	Motor	Weight (kg)	Applicable flange							Brake (kg)	Driver	Weight (kg)	Notes
			KK30D	KK40D	KK50D	KK60D	KK86D	KK100D	KK130D				
50W	MSMD5AZP1	0.32	-	F2	F2	F2	F3	-	-	0.53	MADDT1105	0.8	110V
50W	MSMD5AZP1	0.32	-	F2	F2	F2	F3	-	-	0.53	MADDT1205	0.8	220V
100W	MSMD011P1	0.47	-	F2	F2	F2	F3	-	-	0.68	MADDT1107	0.8	110V
100W	MSMD012P1	0.47	-	F2	F2	F2	F3	-	-	0.68	MADDT1205	0.8	220V
200W	MSMD021P1	0.82	-	-	-	-	F1	-	-	1.3	MADDT2110	1.1	110V
200W	MSMD022P1	0.82	-	-	-	-	F1	-	-	1.3	MADDT1207	0.8	220V
400W	MSMD041P1	1.2	-	-	-	-	F1	-	-	1.7	MADDT3120	1.5	110V
400W	MSMD042P1	1.2	-	-	-	-	F1	-	-	1.7	MADDT2210	1.1	220V
750W	MSMD082S1	2.3	-	-	-	-	F4	F2	F4	3.1	MADDT3520	1.5	220V

3 Yaskawa servo motor

Output power	Motor	Weight (kg)	Applicable flange							Brake (kg)	Driver	Weight (kg)	Notes
			KK30D	KK40D	KK50D	KK60D	KK86D	KK100D	KK130D				
10W	SGMMV-A1A2A21	0.13	F2	-	-	-	-	-	-	0.215	SGDV-R90A01A	0.9	220V
20W	SGMMV-A2A2A21	0.17	F2	-	-	-	-	-	-	0.27	SGDV-R90A01A	0.9	220V
50W	SGMAV-A5ADA61	0.3	-	F1	F1	F1	F2	-	-	-	SGDV-R70A01A	0.9	有键
50W	SGMAV-A5ADA2C	0.3	-	F1	F1	F1	F2	-	-	-	SGDV-R70A01A	0.9	无键
50W	SGMAV-A5ADA21	0.3	-	F1	F1	F1	F2	-	-	0.75	SGDV-R70A01A	0.9	中惯量
100W	SGMAV-01ADA64	0.4	-	F1	F1	F1	F2	-	-	0.89	SGDV-R90A01A	0.9	
200W	SGMAV-02ADA65	0.9	-	-	-	-	F0	F0	F1	1.6	SGDV-1R6A01A	0.9	
400W	SGMAV-04ADA66	1.2	-	-	-	-	F0	F0	F1	2.1	SGDV-2R8A01A	1	
750W	SGMAV-08ADA67	2.6	-	-	-	-	-	F1	F2		SGDV-5R5A01A	1.5	

LGTH series

LGCH series

LETH series

LECH series

KK series

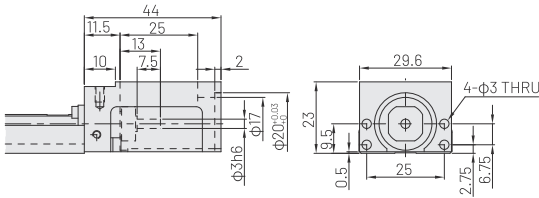
Single-axis robot KK type

Connecting flange between motor base and motor

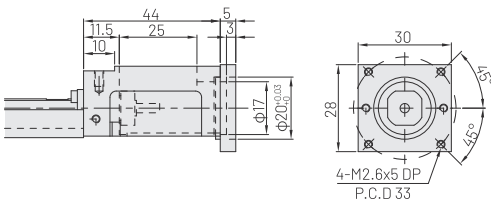
KK30D

Unit: mm

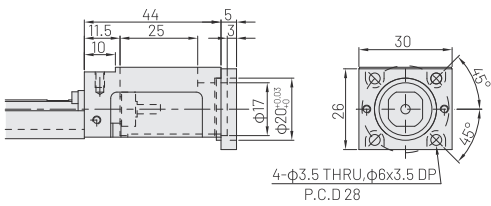
1 Motor base F0



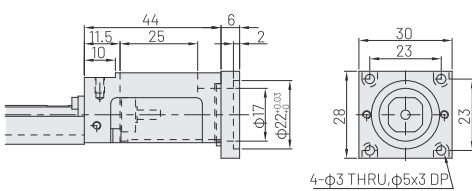
2 Motor connecting flange F1



3 Motor connecting flange F2



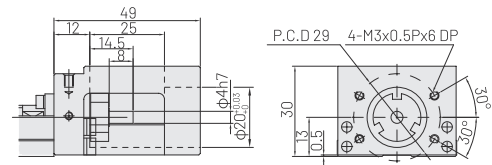
4 Motor connecting flange F3



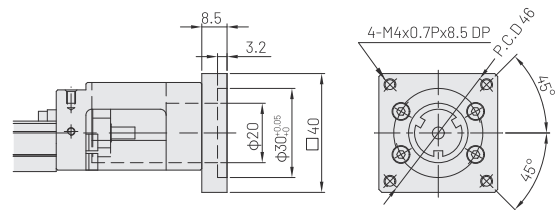
KK40D

Unit: mm

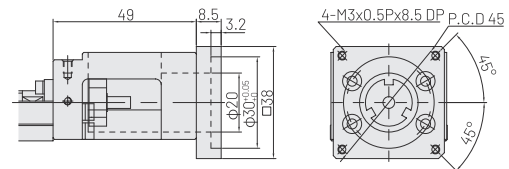
1 Motor base F0



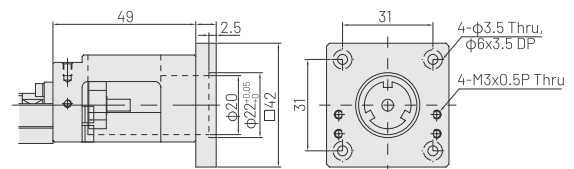
2 Motor connecting flange F1



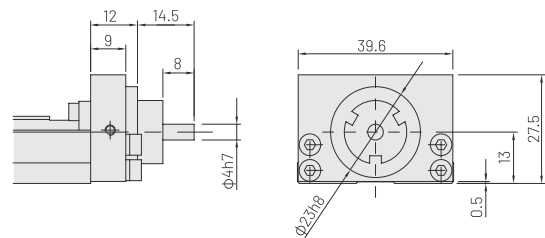
3 Motor connecting flange F2



4 Motor connecting flange F3



5 Adapter fixed seat H0



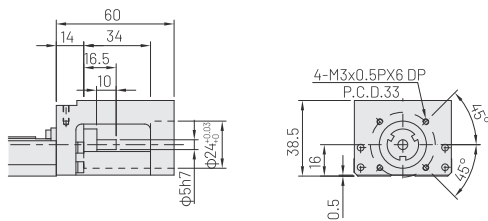
Single-axis robot KK type

Connecting flange between motor base and motor

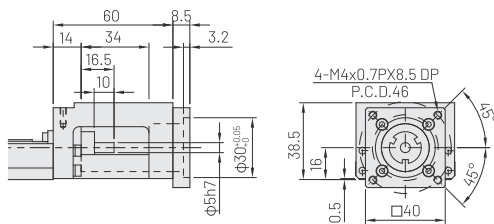
KK50D

Unit : mm

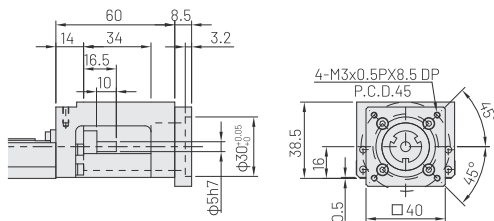
1 Motor base F0



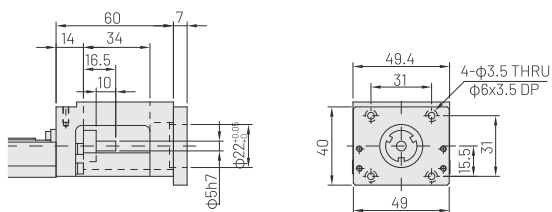
2 Motor connecting flange F1



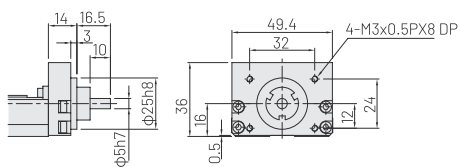
3 Motor connecting flange F2



4 Motor connecting flange F3



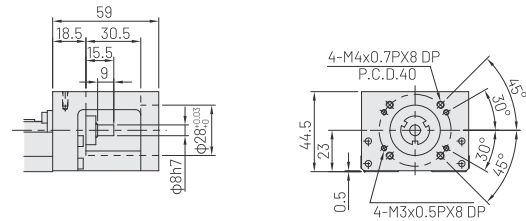
5 Adapter fixed seat H0



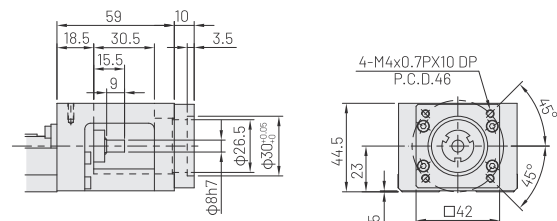
KK60D

Unit : mm

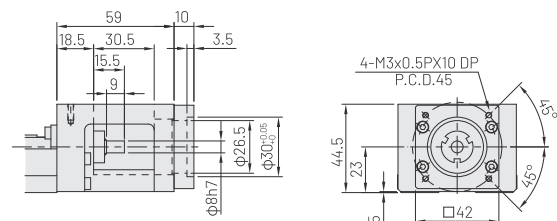
1 Motor base F0



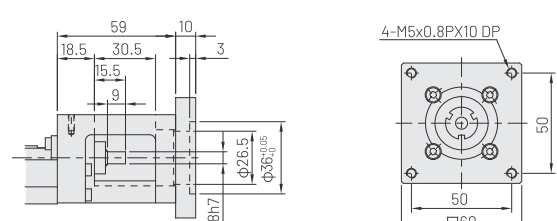
2 Motor connecting flange F1



3 Motor connecting flange F2



4 Motor connecting flange F3



LGTH series

LGCH series

LETH series

LECH series

KK series

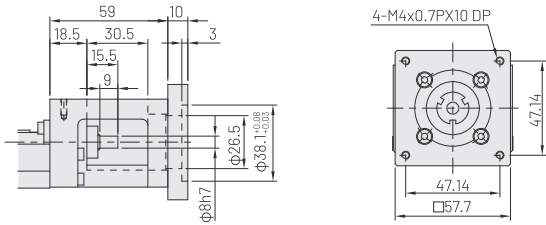
Single-axis robot KK type

Connecting flange between motor base and motor

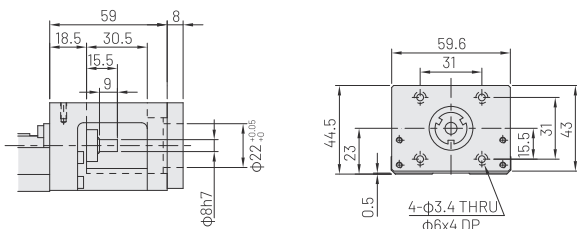
KK60D

Unit:mm

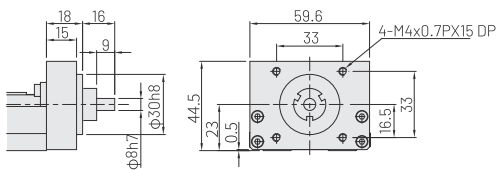
5 Motor connecting flange F4



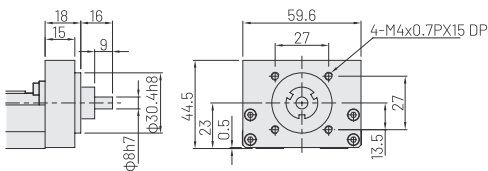
6 Motor connecting flange F5



7 Adapter fixed seat H0



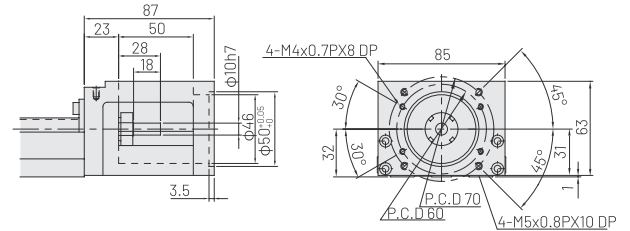
8 Adapter fixed seat H1



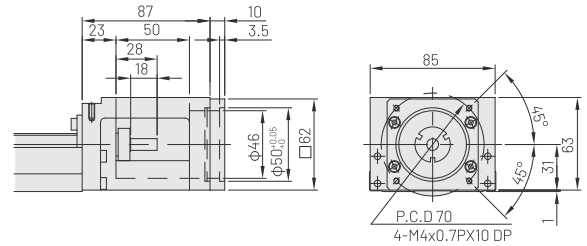
KK86D

Unit:mm

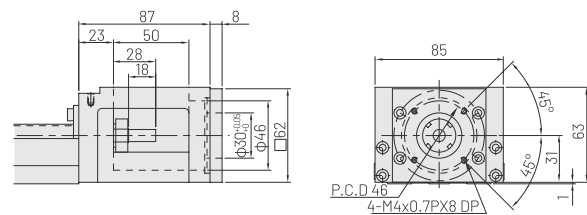
1 Motor base F0



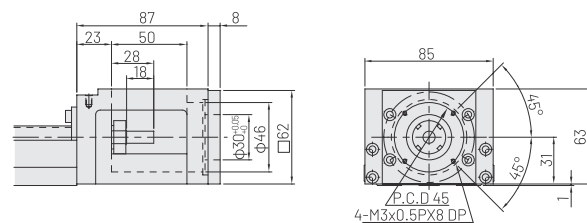
2 Motor connecting flange F1



3 Motor connecting flange F2



4 Motor connecting flange F3



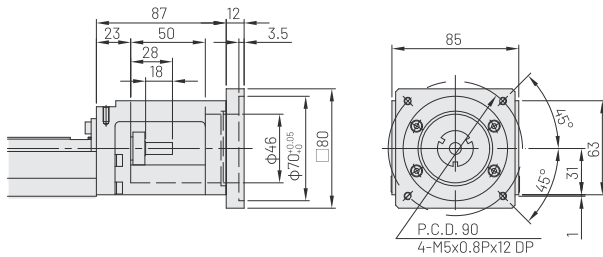
Single-axis robot KK type

Connecting flange between motor base and motor

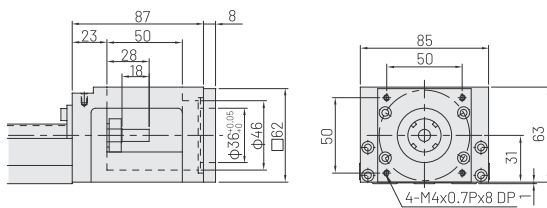
KK86D

Unit : mm

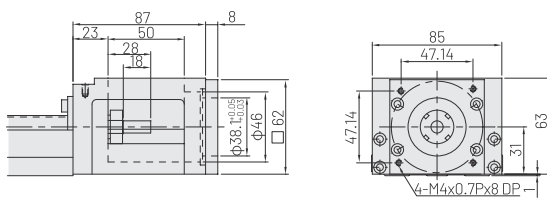
5 Motor connecting flange F4



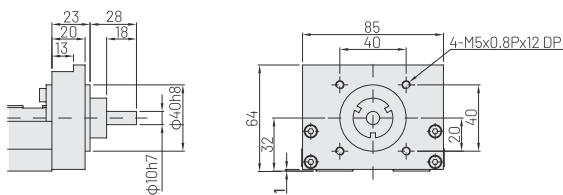
6 Motor connecting flange F5



7 Motor connecting flange F6



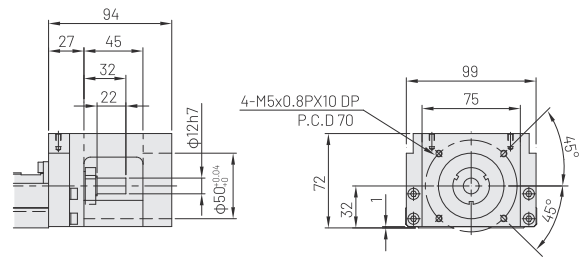
8 Adapter fixed seat H1



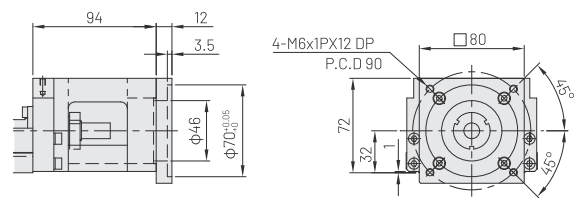
KK100D

Unit : mm

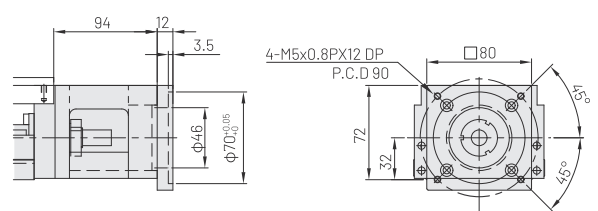
1 Motor base F0



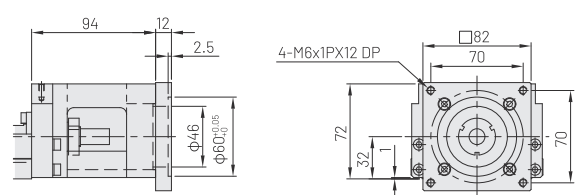
2 Motor connecting flange F1



3 Motor connecting flange F2



4 Motor connecting flange F3



LGTH series

LGCH series

LETH series

LECH series

KK series

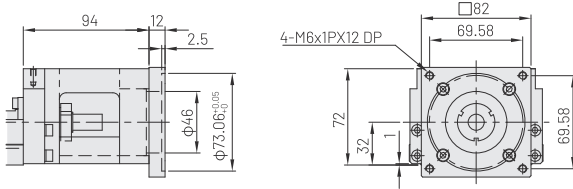
Single-axis robot KK type

Connecting flange between motor base and motor

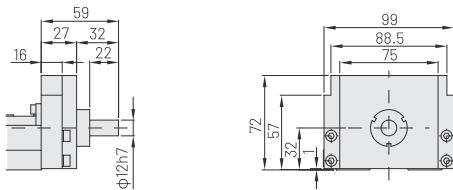
KK100D

Unit:mm

5 Motor connecting flange F4



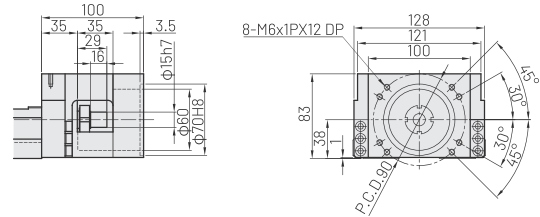
6 Adapter fixed seat H0



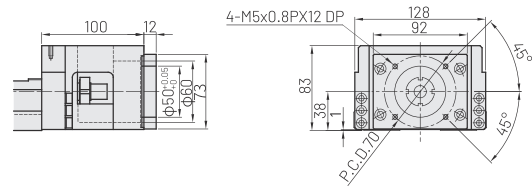
KK130D

Unit:mm

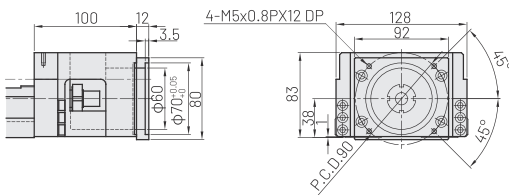
1 Motor base F0



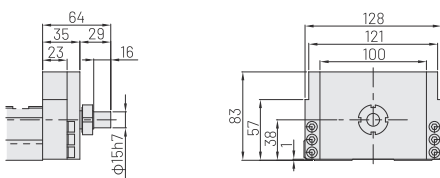
2 Motor connecting flange F1



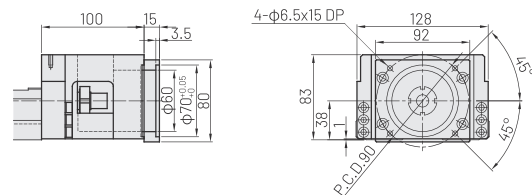
5 Motor connecting flange F4



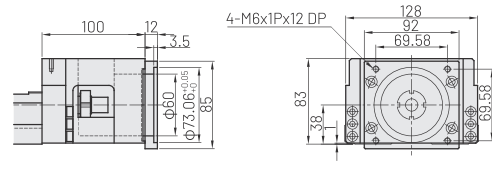
6 Adapter fixed seat H0



3 Motor connecting flange F2



4 Motor connecting flange F3



LGTH series

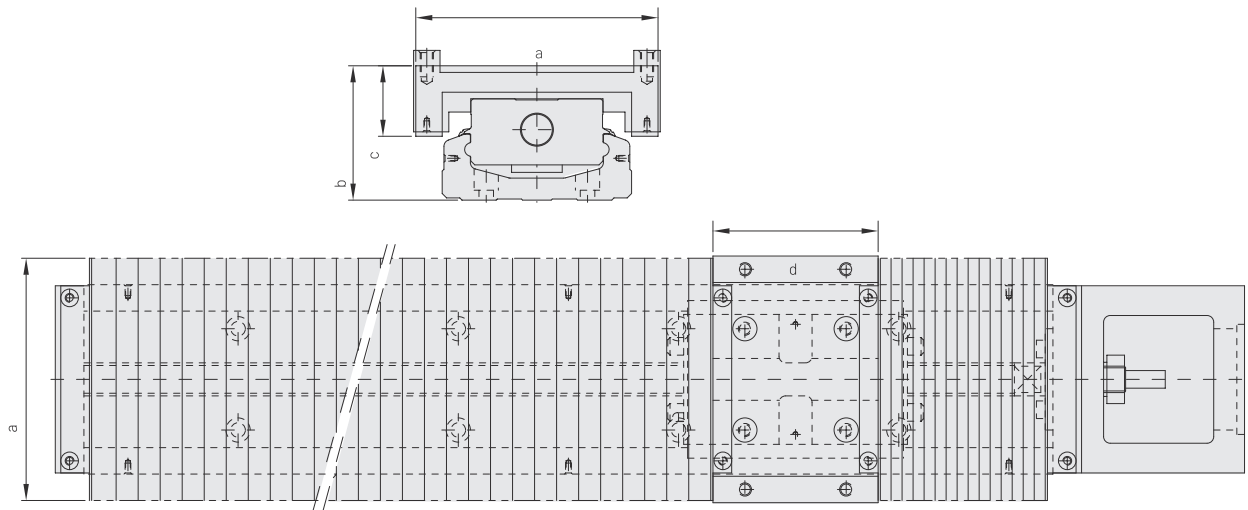
LGCH series

LETH series

LECH series

KK series

Telescopic sheath



Unit: mm

Size	Track length	Maximum stroke	Minimum compression	Maximum elongation	a	b	c	d
KK30D	75	22	15	37	47	22.5	15.5	23
	100	37	20	57				
	125	52	25	77				
	150	67	30	97				
	175	82	35	117				
	200	97	40	137				
KK40D	100	35	16	51	60	29.5	19	33
	150	63	27	90				
	200	93	37	130				
KK50D	150	60	21.5	81.5	62	37	19	47
	200	95	29	124				
	250	130	36.5	166.5				
	300	160	46.5	206.5				
KK60D	150	56	16	80	84	45.5	24	54
	200	106	20	126				
	300	166	40	206				
	400	234	56	290				
	500	306	70	376				
	600	366	90	456				
KK86D	340	188	36	224	110	61	32	75
	440	260	50	310				
	540	336	62	398				
	640	408	76	484				
	740	480	90	570				
KK100D	940	640	110	750	150	73	41	95
	980	769	58	827				
	1080	855	65	920				
	1180	945	70	1015				
KK130D	1280	1029	78	1107	180	89	53	108
	1380	1115	85	1200				
	980	748	62	810				
	1180	916	78	994				
	1380	1084	94	1178				
	1680	1346	113	1459				

LGTH series

LGCH series

LETH series

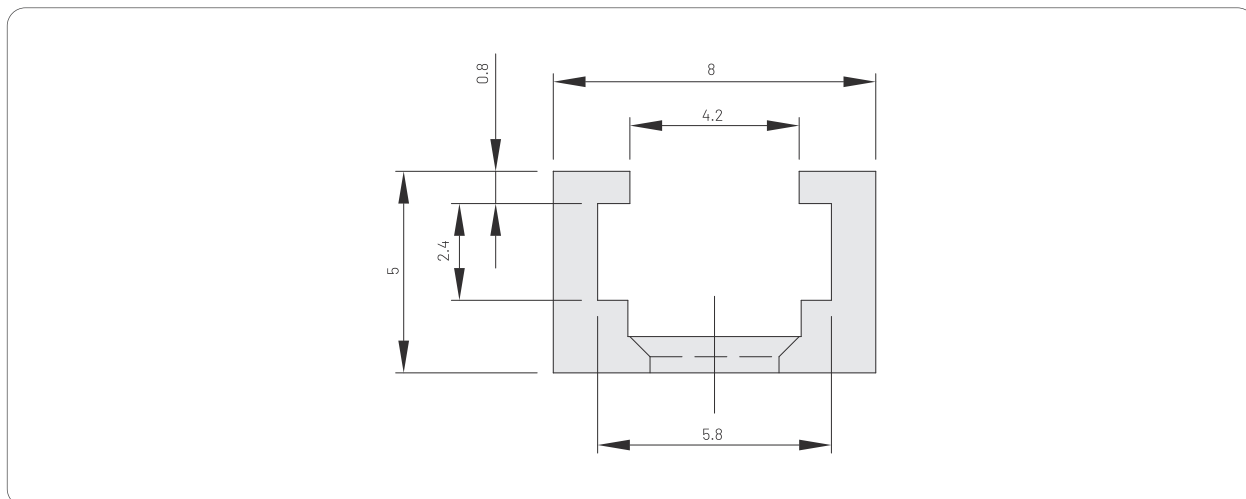
LECH series

KK series

Limit switch

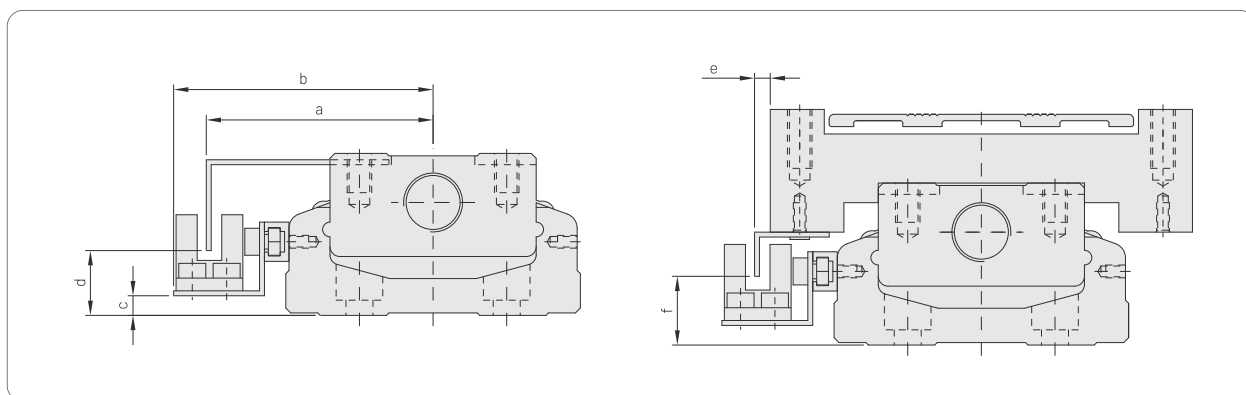
1 Limit orbit

Unit:mm



2 A sensor

Unit:mm



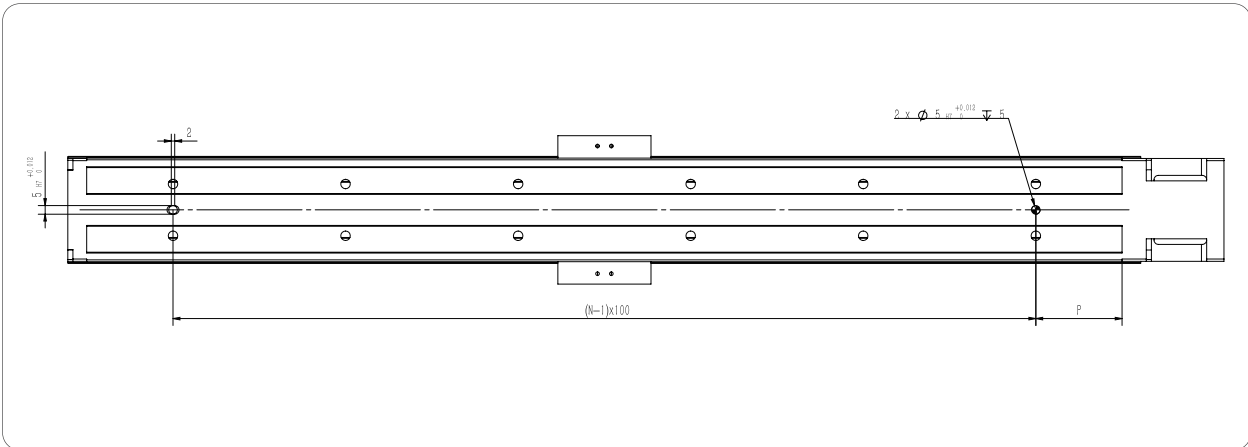
光电开关S2:674NPN
Photoelectric switch

尺寸 Size	a	b	c	d	e	f
KK40D	36.5	44.3	1	9.8	10.5	12
KK50D	41.3	48	1	10.5	10.2	11
KK60D	46.2	52.8	4	14	3.2	13
KK86D	59	65.7	8	18	3	18
KK100D	66	73	10	20	4.2	20
KK130D	80.8	87.5	14	23.5	-4.1	23.5

Standard base pin

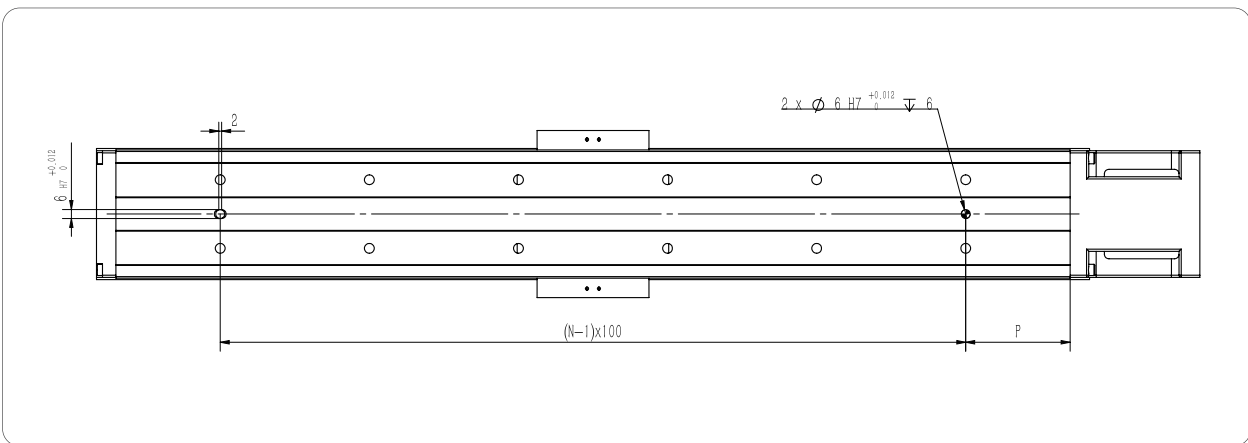
1 KK60D Base pin

Unit: mm



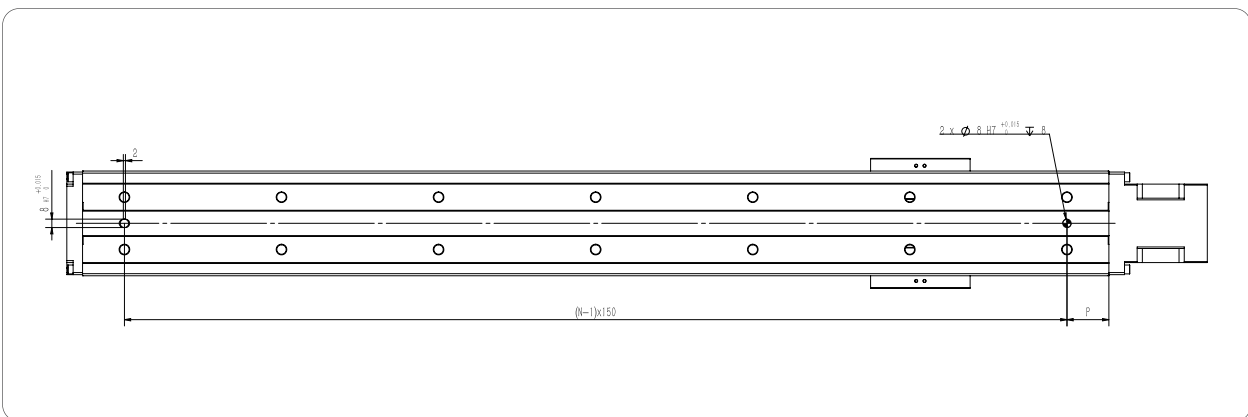
1 KK86D Base pin

Unit: mm



1 KK100D Base pin

Unit: mm



LGTH series

LGCH series

LETH series

LECH series

KK series