PMI

PMI Linear Motion Systems

Mono Stage

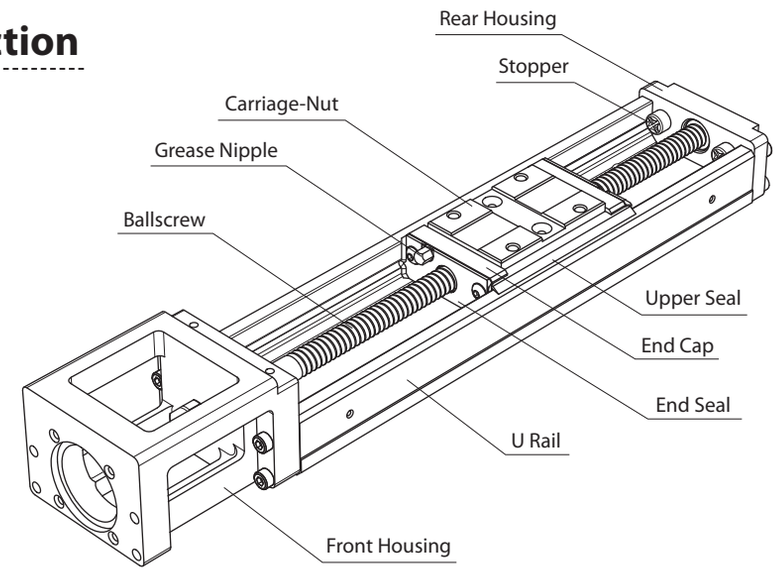
KM Series

www.pmi-amt.com

Content

Mono Stage
KM Series

1 Construction

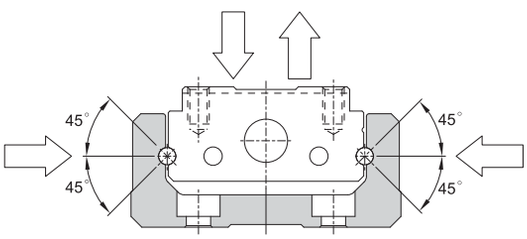


2 Characteristics

KM series consist of linear guideway unit and ballscrew unit. For saving space, PMI combine the carriage of linear guideway and nut of ballscrew to a integral Carriage-Nut. The carriage-nut cooperate with the U rail designed for high rigidity to achieve the high rigidity and high accuracy in the minimal space, especially to saving time of installation. Moreover, the design of two rows with Gothic-arch groove and contact angle of 45 °can bear four directional loading.

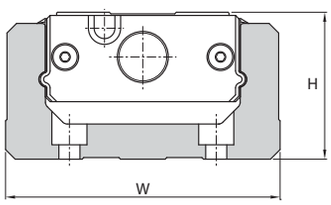
Four Directional Equal Load

KM series are applied two rows with Gothic-arch groove and designed to contact angle of 45 °which enables it to carry an equal load in radial, reversed radial and lateral directions to suit to any mounting orientation.



Saving Space

Combine the carriage of linear guideway and nut of ballscrew to a carriage-nut, KM series can achieve the best use of space.

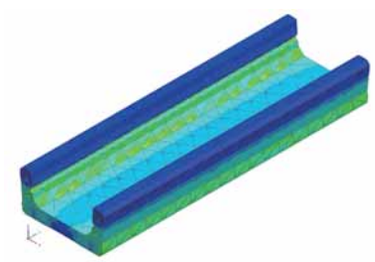


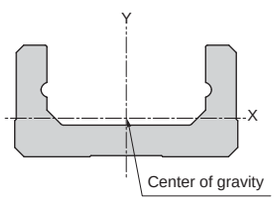
Unit：mm

Model	H	W
KM 26	26	50
KM 33	30	60
KM 46	46	86
KM 55	55	100

High Rigidity

Base on the optimal analysis of FEM for the shape of U rail, it has the balance between light weight and high ridigity.





Unit：mm^4

Model	I_X	I_Y
KM 26	1.6×10^4	1.5×10^5
KM 33	6.1×10^4	3.8×10^5
KM 46	2.5×10^5	1.6×10^6
KM 55	2.3×10^5	2.3×10^6

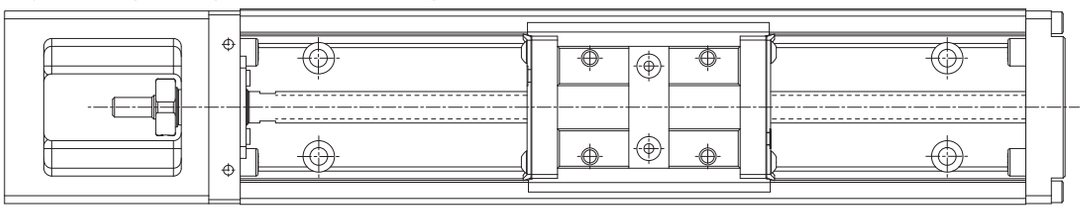
* I_X：Geometrical moment of inertia around X axis
I_Y：Geometrical moment of inertia around Y axis

High Accuracy

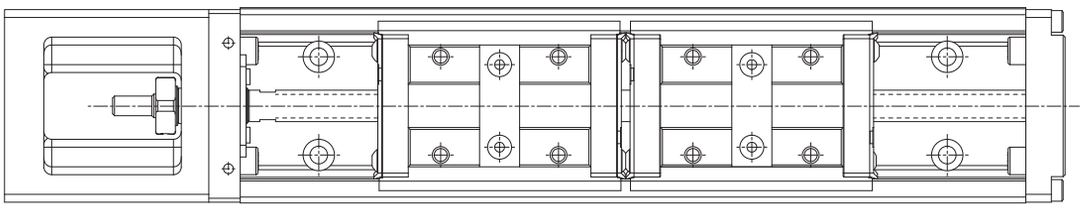
The design of two rows with Gothic-arch groove and stable manufacturing technology can control the variation by load at the minimum. It can provide the smooth feed with high accuracy.

3 Carriage-Nut Type

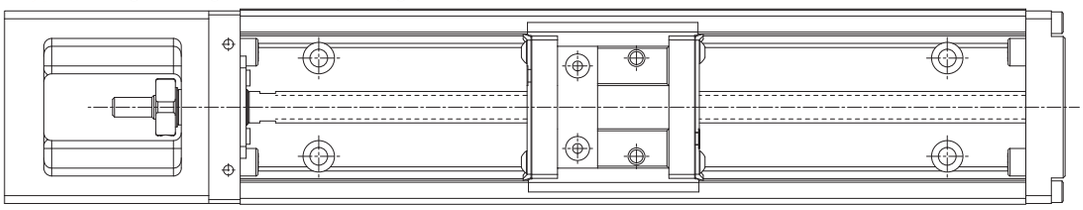
A Type : A single carriage-nut with standard length



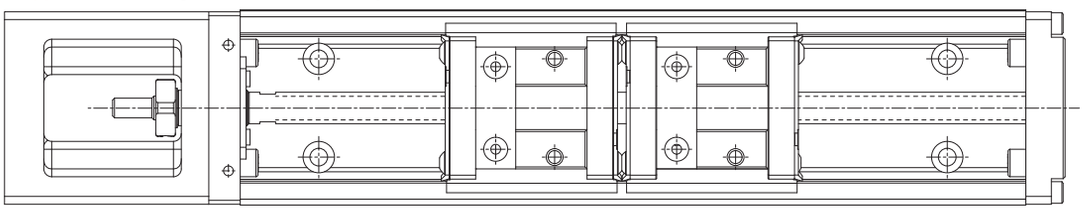
B Type : Two carriage-nuts with standard length



C Type : A single carriage-nut with short length



D Type : Two carriage-nuts with short length



4 Description of Specification

KM33 05 A +400 P 0 -0 0 00 AA

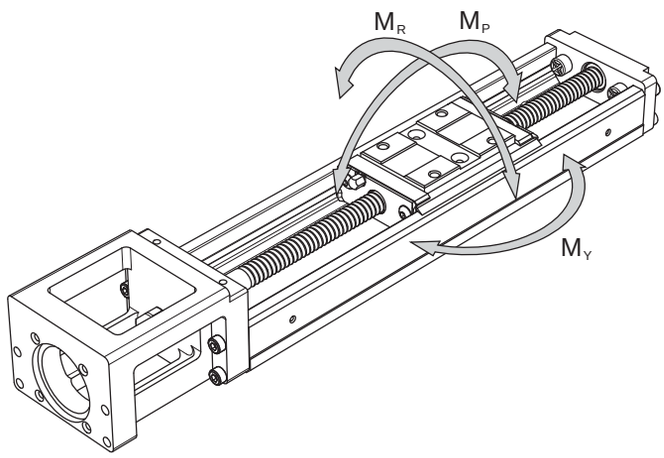
- Model
- Ballscrew Lead
- Carriage-Nut type
  - **A**: A single carriage-nut with standard length
  - **B**: Two carriage-nuts with standard length
  - **C**: A single carriage-nut with short length
  - **D**: Two carriage-nuts with short length
- Rail length (mm)
- Accuracy grade
  - **N**: Normal grade
  - **H**: High grade
  - **P**: Precision grade
- With / Without a Motor
  - **0**: None
  - **1**: With a Motor (mounted at ***PMI***)
- With / Without a Cover
  - **0**: None
  - **1**: With a Cover
  - **2**: With a Bellows
- Sensor Specification (see page 8)
- Type of Motor Bracket type (see page 9)
- Code of Special type (Blank for Standard type)

5 Load Ratings

The load ratings of KM series are divided to linear guideway and ballscrew, the load ratings of each part are shown below.

Model		Linear Guideway				Ballscrew							
		Basic dynamic load rating C (kN)		Basic static load rating C_0 (kN)		Basic dynamic load rating Ca (kN)		Basic static load rating C_0a (kN)		Ballscrew diameter (mm)	Lead (mm)	Thread minor diameter (mm)	Ball center to center diameter (mm)
		A、B	C、D	A、B	C、D	Normal、High N、H	Precision P	Normal、High N、H	Precision P				
KM 26	KM 26 02	7.99	-	15.23	-	1.27	1.86	2.06	2.84	8	2	6.6	8.3
	KM 26 06					1.18	1.81	2.06	2.79		6	6.6	8.3
KM 33	KM 33 05	12.21	7.91	22.11	11.90	2.25	2.94	4.31	5.10	12	5	10.3	12.4
	KM 33 10					3.04	4.12	5.88	7.06		10	9.9	12.4
KM 46	KM 46 10	26.35	16.26	46.65	23.33	5.00	6.66	8.92	11.86	15	10	12.3	15.6
	KM 46 20					3.72	5.00	6.37	8.53		20	12.3	15.6
KM 55 20		36.73	-	65.29	-	4.61	8.13	9.11	14.99	20	20	16.6	20.7

6 Static Permissible Moments



Unit：N-m

Model		Static Permissible Moments											
		M_P				M_Y				M_R			
		A	B	C	D	A	B	C	D	A	B	C	D
KM 26	KM 26 02	107.3	501.8	-	-	107.3	501.8	-	-	278.6	557.3	-	-
	KM 26 06												
KM 33	KM 33 05	156.6	858.5	43.8	326.4	156.6	858.5	43.8	326.4	462.0	924.0	248.8	497.6
	KM 33 10												
KM 46	KM 46 10	575.0	2678.0	120.0	1245.6	575.0	2678.0	120.0	1245.6	1397.9	2795.8	699.0	1397.9
	KM 46 20												
KM 55 20		858.4	4617.2	-	-	858.4	4617.2	-	-	2347.2	4694.4	-	-

7 Accuracy Grade

KM series is classified into normal grade (N) and precision grade (P), the standards are shown below.

Model	Rail Length (mm)	Positioning Repeatability (mm)			Positioning Accuracy (mm)			Running of Parallelism (mm)			Backlash (mm)			Starting Torque (N-cm)		
		Normal N	High H	Precision P	Normal N	High H	Precision P	Normal N	High H	Precision P	Normal N	High H	Precision P	Normal N	High H	Precision P
KM 26	150	±0.01	±0.005	±0.003	-	0.06	0.02	-	0.025	0.01	0.02	0.01	0.003	2	1.5	4
	200															
	250															
	300															
KM 33	150	±0.01	±0.005	±0.003	-	0.06	0.02	-	0.025	0.01	0.02	0.02	0.003	7	7	15
	200															
	300															
	400															
	500					0.1	0.025		0.035	0.015						
	600															
KM 46	340	±0.01	±0.005	±0.003	-	0.1	0.025	-	0.035	0.015	0.02	0.02	0.003	10	10	15
	440															
	540															
	640															
	740					0.12	0.03		0.04	0.2						17
	940			-		0.15	-		0.05	-			-			-
KM 55	980	±0.01	±0.005	±0.005	-	0.18	0.035	-	0.05	0.025	0.05	0.05	0.003	12	12	17
	1080															
	1180					0.25	0.04			0.03						20
	1280			-		0.25	-			-			-	15		-
	1380															

8 Maximum Travel Speed and the Maximum Length

KM series is limited by the dangerous speed of the ballscrew and the DN value regardless, the maximum travel speed and the maximum length are shown below.

Unit：mm

Model	Ballscrew Lead	Rail Length	Maximum Travel Speed (mm/s)			Maximum Length		
			Normal N	High H	Precision P	Normal N	High H	Precision P
KM 26	2	150	280	280	280	300	300	300
		200						
		250						
		300						
	6	150	590	590	830	300	300	300
		200						
		250						
		300						
KM 33	5	150	390	390	550	600	600	600
		200						
		300						
		400						
		500						
		600	340	340	340			
	10	150	790	790	1100	600	600	600
		200						
		300						
		400						
		500			980			
		600	650	650	650			
KM 46	10	340	520	520	740	940	940	740
		440						
		540						
		640						
		740			730			
		940	430	430	-			
	20	340	1050	1050	1480	940	940	740
		440						
		540						
		640						
		740			1440			
		940	840	840	-			
KM 55	20	980	800	800	1120	1380	1380	1180
		1080	800	800	900			
		1180	740	740	740			
		1280	620	620	-			
		1380	530	530	-			

9 Life Calculation

KM series consists of a linear guideway, a ballscrew and a support bearing. The calculation of nominal life of each component is shown below. The nominal life is defined as the total running distance that 90% of identical linear guideways or ballscrew in a group, when they are applied under the same conditions, can work without developing flaking.

Linear Guideway

$$L = \left(\frac{f_c}{f_w} \cdot \frac{C}{P}\right)^3 \times 50 \text{ km}$$

L: Nominal life (km)
f_c: Contact factor (see Table 1)
f_w: Load factor (see Table 2)
C: Basic dynamic load rating (N)
P: Calculated applied load (N)

Ballscrew and Bearing

$$L = \left(\frac{1}{f_w} \cdot \frac{C_a}{P_a}\right)^3 \times 10^6 \text{ rev}$$

L: Nominal life (rev)
f_w: Load factor (see Table 2)
C_a: Basic dynamic load rating (N)
P_a: Applied axial load (N)

■ Table 1

Contact factor

Carriage-Nut Type	Contact factor f_c
A、C	1.00
B、D	0.81

■ Table 2

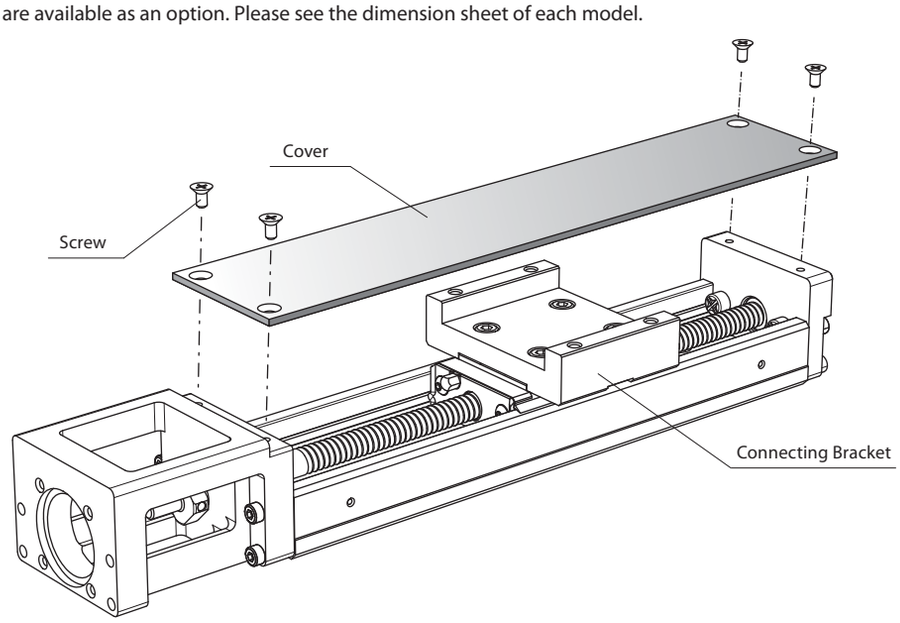
Load factor

Motion Condition	Operating Speed	Load factor f_w
No Impact & Vibration	V≦15m/min	1.0~1.2
Slight Impact & Vibration	15＜V≦60m/min	1.2~1.5
Moderate Impact & Vibration	60＜V≦120m/min	1.5~2.0
Strong Impact & Vibration	V≧120m/min	2.0~3.5

10 Options

Cover

For KM series, covers are available as an option. Please see the dimension sheet of each model.



Bellows

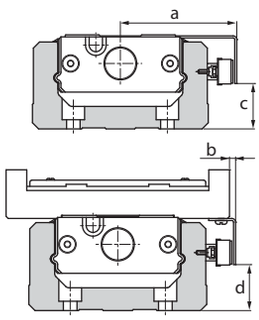
For KM series, a bellows is available for option. Please contact ***PMI***.

Sensor

For KM series, a optional proximity sensors and photo sensors are available as an option. Models equipped with a sensor are provided with a dedicated sensor rail / detecting plate. Please see the table below.

Symbol	Description	Type	Accessory
0	None	-	-
1	with Sensor rail (3 units)	-	Mounting Screw
2	Photo sensor (3 units)	EE-SX671 (Omron)	Mounting Screw / Nut, Detecting Plate, Sensor Rail, Mounting Plate, Connector (EE-1001)
3	Photo sensor (3 units)	EE-SX674 (Omron)	Mounting Screw / Nut, Detecting Plate, Sensor Rail, Mounting Plate, Connector (EE-1001)
4	Proximity sensor a-contact (On when close, 3 units)	GI-12F (SUNX)	Mounting Screw / Nut, Detecting Plate, Sensor Rail, Mounting Plate, Fixture (MS-GL12)
5	Proximity sensor a-contact (On when close, 3 units)	GXI-N12F (SUNX)	Mounting Screw / Nut, Detecting Plate, Sensor Rail, Mounting Plate, Fixture (MS-GXL12)
6	Proximity sensor a-contact (On when close, 3 units)	GI-N12F (SUNX)	Mounting Screw / Nut, Detecting Plate, Sensor Rail
7	Proximity sensor b-contact (On when away, 3 units)	GI-N12FB (SUNX)	Mounting Screw / Nut, Detecting Plate, Sensor Rail
8	Proximity sensor b-contact (On when away, 3 units)	GXI-N12FB (SUNX)	Mounting Screw / Nut, Detecting Plate, Sensor Rail, Mounting Plate, Fixture (MS-GXL12)
9	Proximity sensor a-contact (Single) b-contact (Double)	GI-N12F (Single)、GI-N12FB (Double)	Mounting Screw / Nut, Detecting Plate, Sensor Rail
A	Proximity sensor a-contact (Single) b-contact (Double)	GXI-N12F (Single)、GXI-N12FB (Double)	Mounting Screw / Nut, Detecting Plate, Sensor Rail, Mounting Plate, Fixture (MS-GXL12)

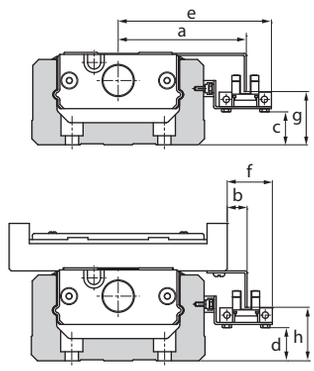
The dimension of installation for sensor:



SUNX GL12F, GL-N12F, GXL-N12FB, GXL-N12FB

Unit：mm

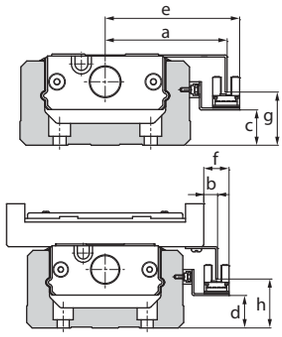
Model	a	b	c	d
KM 26	38.9	7.9	6.2	6.2
KM 33	43.8	0.8	9.2	9.2
KM 46	57.0	1.0	22.2	22.2
KM 55	63.9	1.9	21.2	21.2



Omron EE-SX671

Unit：mm

Model	a	b	c	d	e	f	g	h
KM 26	46.0	15.0	2.0	2.0	58.5	27.5	10.5	10.5
KM 33	50.9	7.9	5.0	5.0	63.4	20.4	13.5	13.5
KM 46	63.9	7.9	18.0	18.0	76.4	20.4	26.5	26.5
KM 55	70.8	8.8	17.0	17.0	83.3	21.3	25.5	25.5

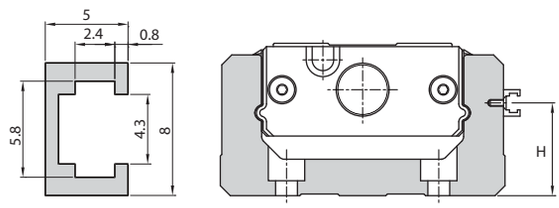


Omron EE-SX674

Unit：mm

Model	a	b	c	d	e	f	g	h
KM 26	43.7	33.2	1.8	1.8	50.0	39.5	10.8	10.8
KM 33	48.6	35.1	4.8	4.8	54.9	41.4	13.8	13.8
KM 46	61.6	35.1	17.8	17.8	67.9	41.4	26.8	26.8
KM 55	68.5	43.0	16.8	16.8	74.8	49.3	25.8	25.8

The dimension of sensor rail:



Unit：mm

Model	H
KM 26	12
KM 33	15
KM 46	28
KM 55	27

Intermediate Flange

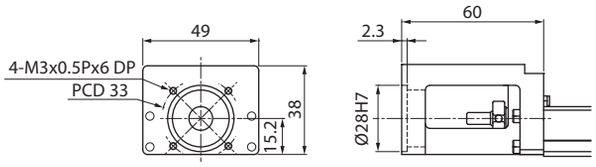
KM series allow different motors to be attached by intermediate flange. Please see the table below when ordering.

Brand of Motor	Model	KM 26	KM 33	KM 46	KM 55
Yaskawa Electric AC servomotor	SGMAH-A3 (30W)	2A	3A	4A	
	SGMAH-A5 (50W)	2A	3A	4A	
	SGMAH-01 (100W)		3A	4A	
	SGMPH-01 (100W)			40	50
	SGMAH-02 (200W)			40	50
	SGMAH-04 (400W)			40	50
	SGMPH-02 (200W)				5C
	SGMPH-04 (400W)				5C
	SGMAH-08 (750W)				5C
Mitsubishi Electric AC servomotor	HC-MFS053 (50W)	2A	3A	4A	
	HC-MFS13 (100W)		3A	4A	
	HC-MFS23 (200W)			40	50
	HC-KFS23 (200W)			40	50
	HC-MFS43 (400W)			40	50
	HC-KFS43 (400W)			40	50
	HC-KMS43 (750W)				5C
	HC-KFS73 (750W)				5C
Matsushita Electric AC servomotor	MSMA3A (30W)	2D	3D	4D	
	MSMA5A (50W)	2D	3D	4D	
	MSMA01 (100W)		3D	4D	
	MQMA01 (100W)			40	5E
	MSMA02 (200W)			40	5E
	MSMA04 (400W)			40	5E
	MSMA07 (750W)				5F
Fastech Stepping motor	EzM-28	2G			
	EzM-42	2H	3H	4H	
	EzM-56		3I	4I	
	EzM-60		3J	4J	
Oriental Motor Stepping motor	PK22	2G			
	PK24	2H	3H	4H	
	PK26 (Standard)		3J	4J	
	PK29				5K
	PK54	2H	3H	4H	
	PK56		3J	4J	
	PK59				5K

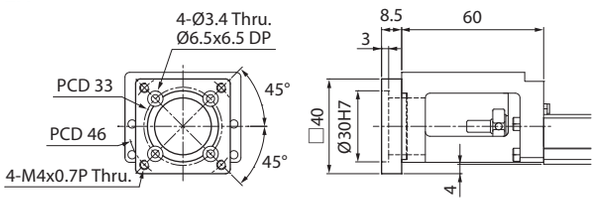
The dimension of intermediate flange:

KM26

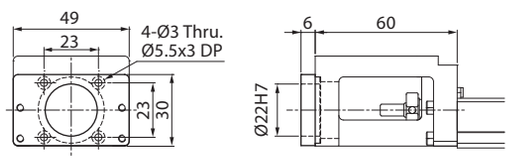
20



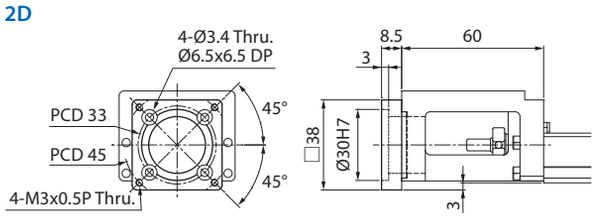
2A



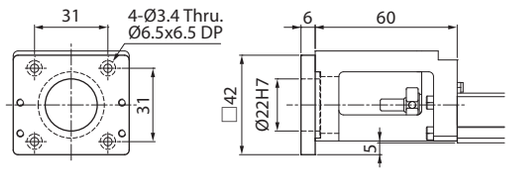
2G



2D

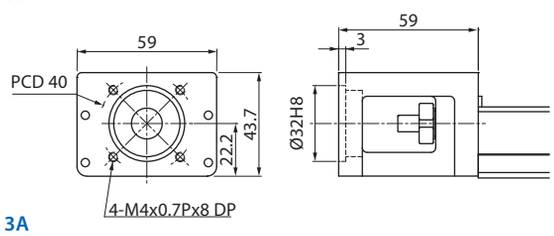


2H

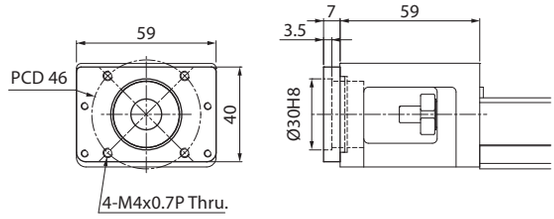


KM33

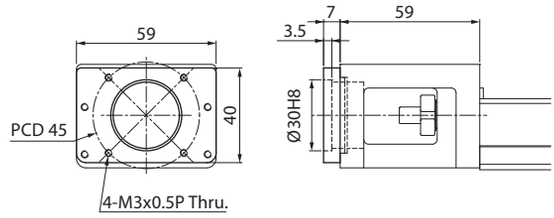
30



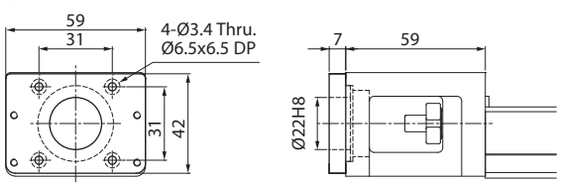
3A



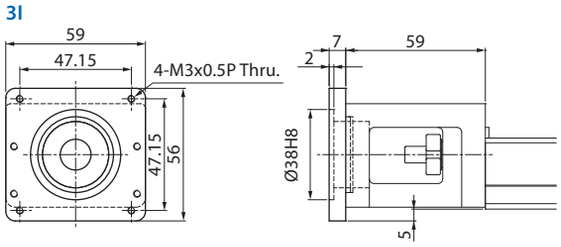
3D



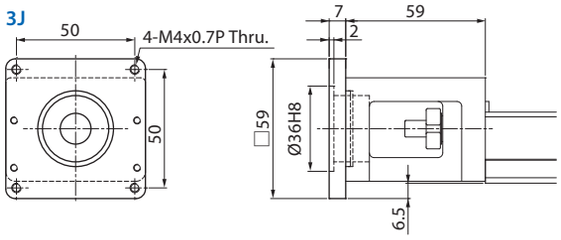
3H



3I

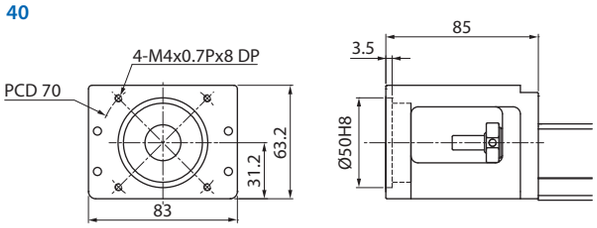


3J

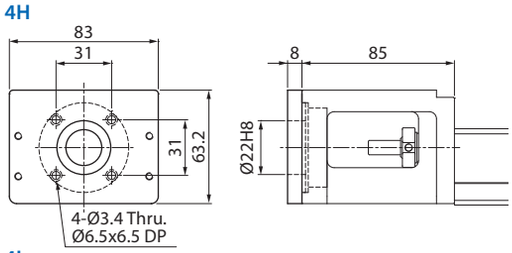


KM46

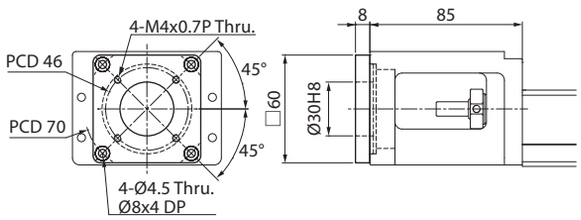
40



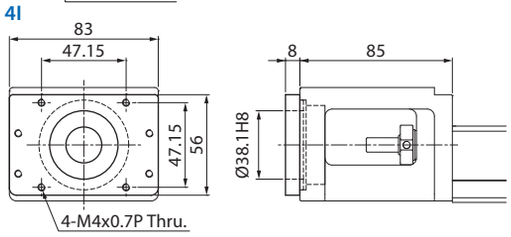
4H



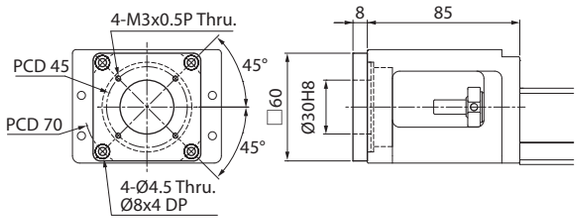
4A



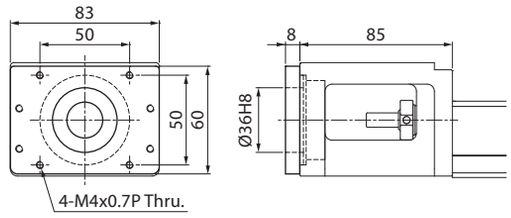
4I



4D

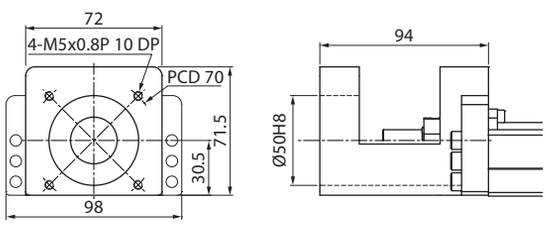


4J

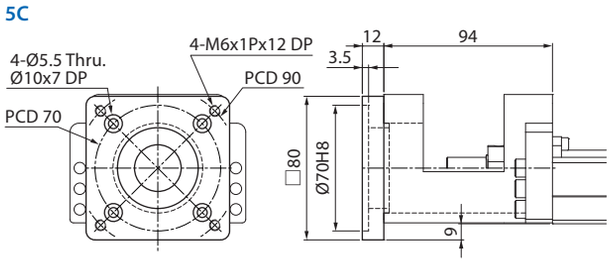


KM55

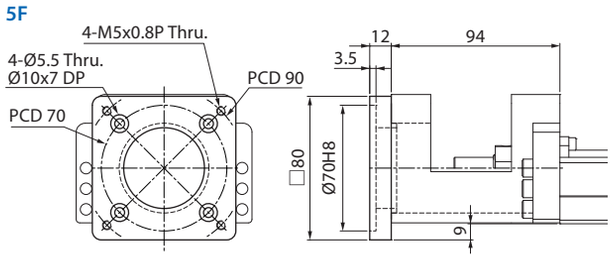
50



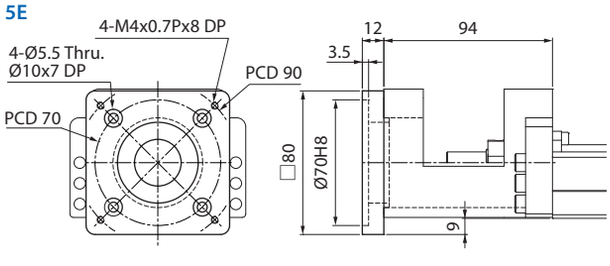
5C



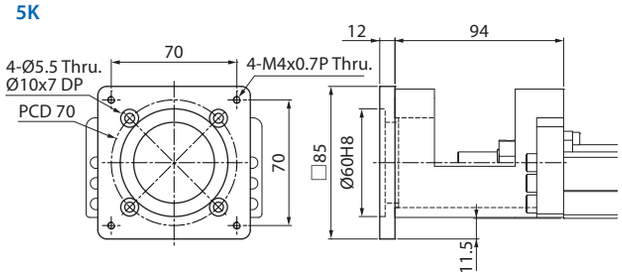
5F



5E



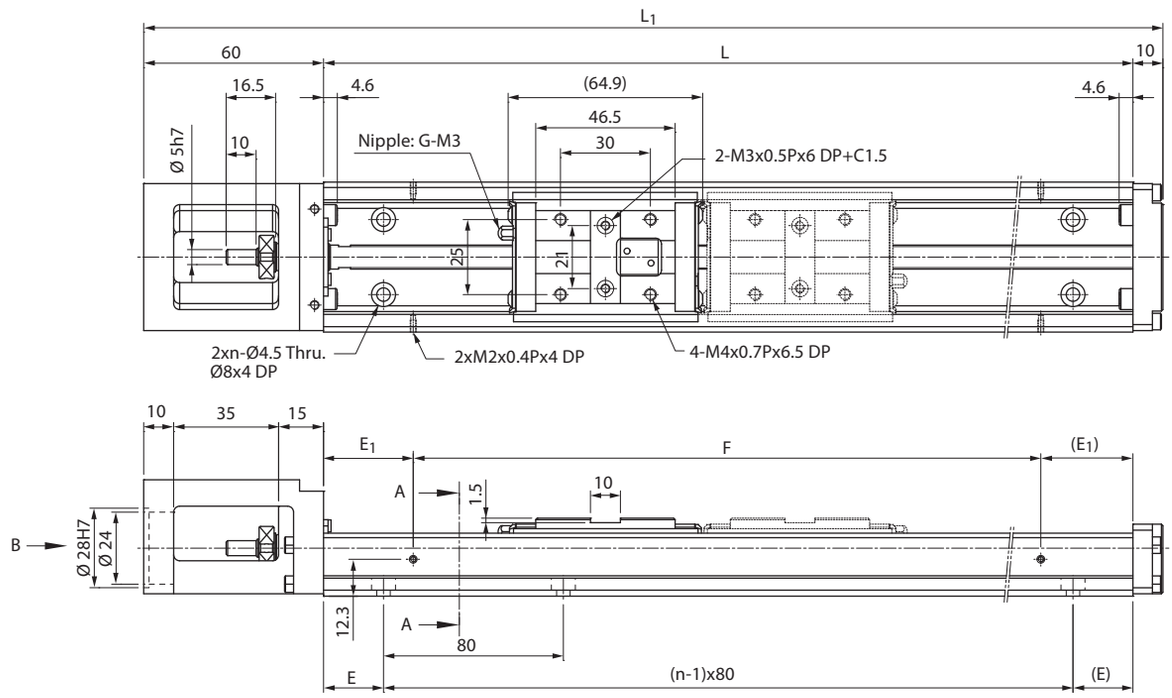
5K

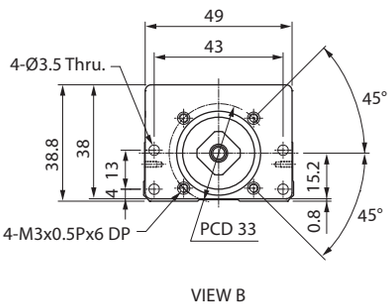


11 Dimensions

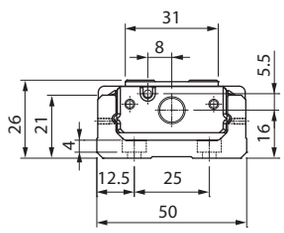
KM 26 standard type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length



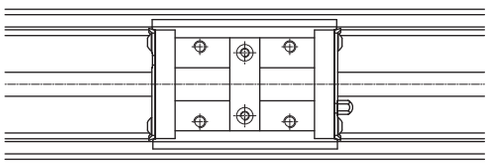


VIEW B

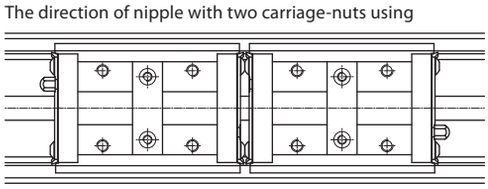


SECTION A-A

The direction of nipple with a single carriage-nut using



The direction of nipple with two carriage-nuts using



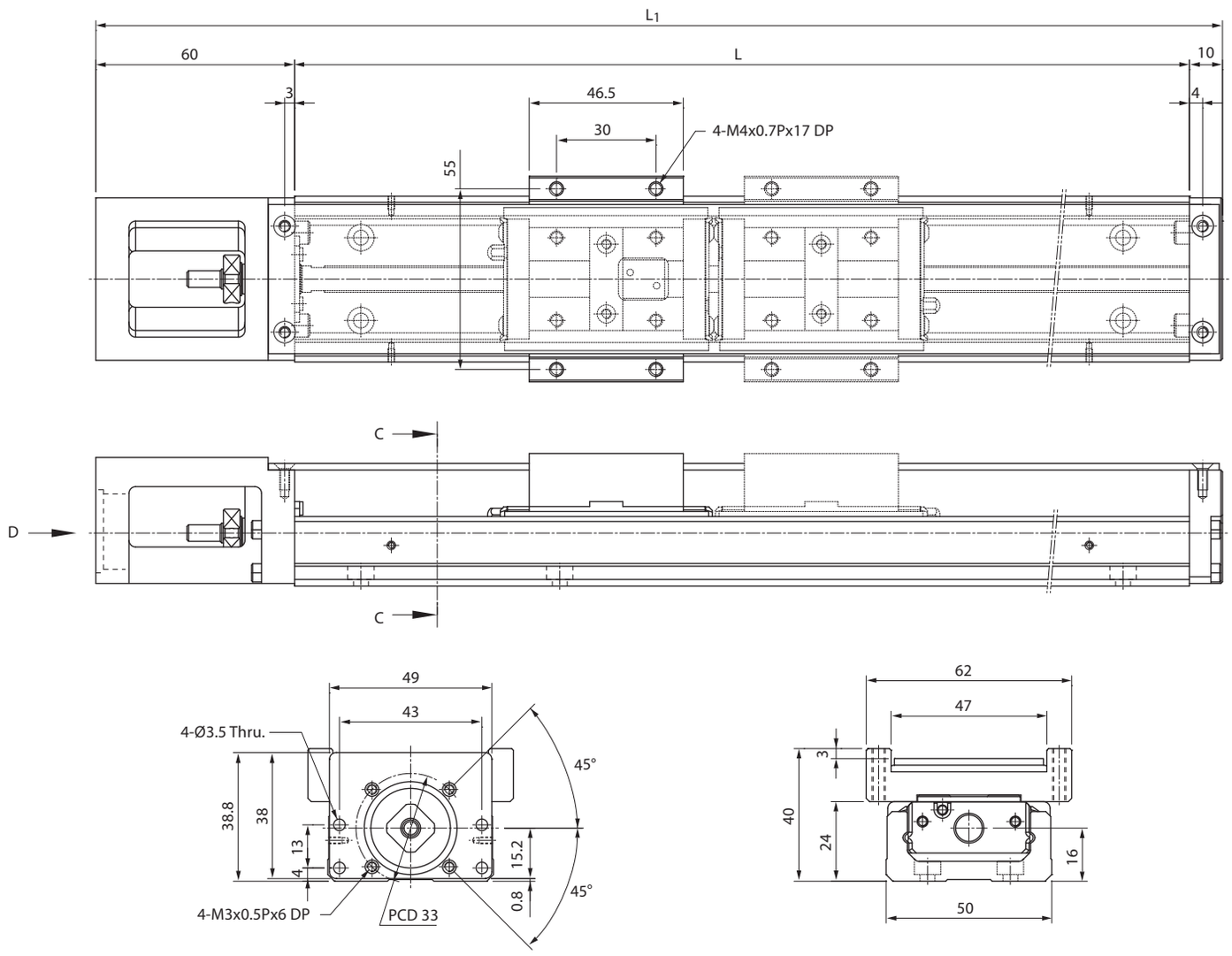
Unit : mm

Rail Length L	Overall Length L_1	Max. Stroke		E	n	E_1	F	Weight (kg)	
		A Type	B Type					A Type	B Type
150	220	75.8	-	35	2	35	80	0.98	-
200	270	125.8	60.8	20	3	20	160	1.18	1.37
250	320	175.8	110.8	45	3	45	160	1.38	1.57
300	370	225.8	160.8	30	4	30	240	1.59	1.78

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

KM 26 cover type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length



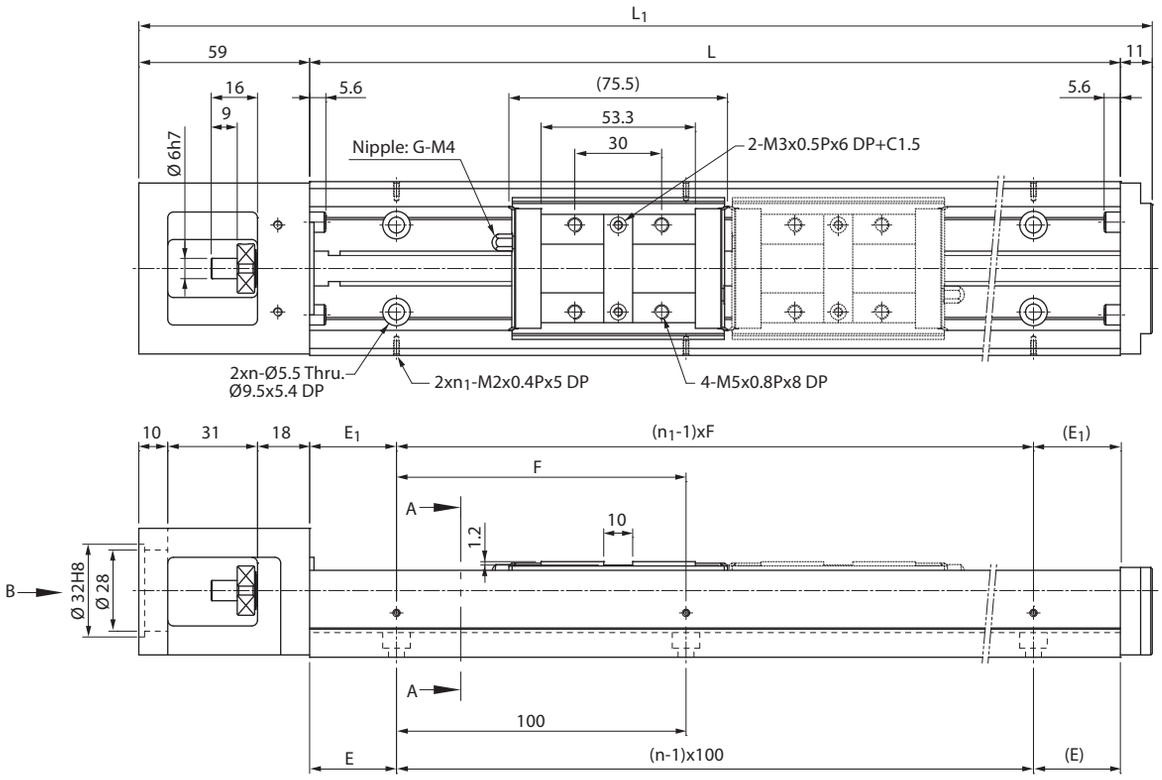
Unit：mm

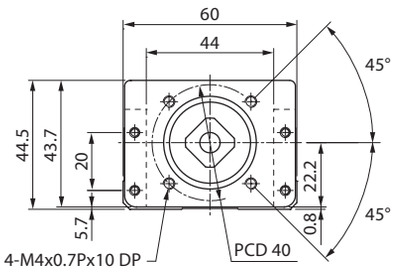
Rail Length L	Overall Length L_1	Max. Stroke		Weight (kg)	
		A Type	B Type	A Type	B Type
150	220	75.8	-	1.06	-
200	270	125.8	58.8	1.26	1.45
250	320	175.8	108.8	1.46	1.65
300	370	225.8	158.8	1.67	1.86

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

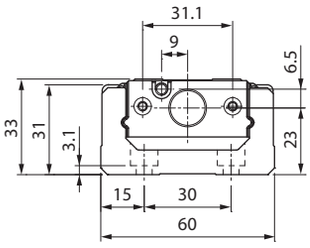
KM 33 standard type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length



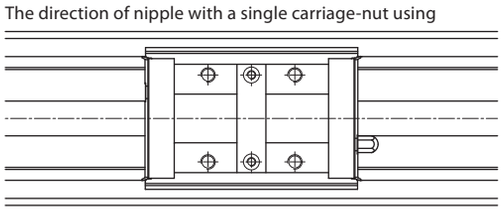


VIEW B

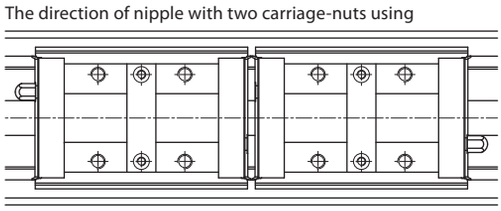


SECTION A-A

The direction of nipple with a single carriage-nut using



The direction of nipple with two carriage-nuts using



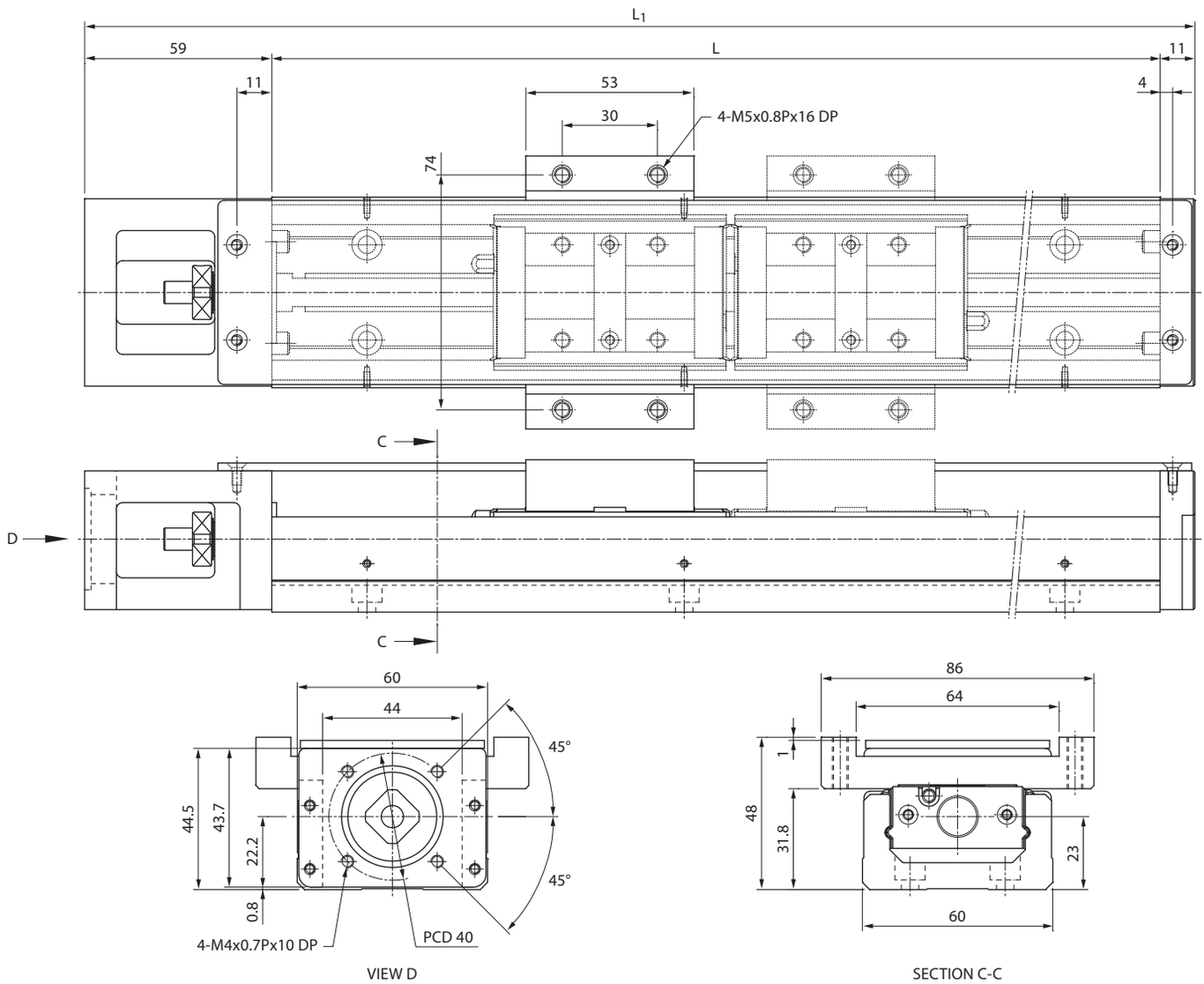
Unit : mm

Rail Length L	Overall Length L_1	Max. Stroke		E	n	E_1	n_1	F	Weight (kg)	
		A Type	B Type						A Type	B Type
150	220	63.3	-	25	2	25	2	100	1.67	-
200	270	113.3	-	50	2	50	2	100	1.98	-
300	370	213.3	137.8	50	3	50	2	200	2.56	2.91
400	470	313.3	237.8	50	4	100	2	200	3.15	3.5
500	570	413.3	337.8	50	5	50	3	200	3.85	4.2
600	670	513.3	437.8	50	6	100	3	200	4.46	4.81

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

KM 33 cover type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length



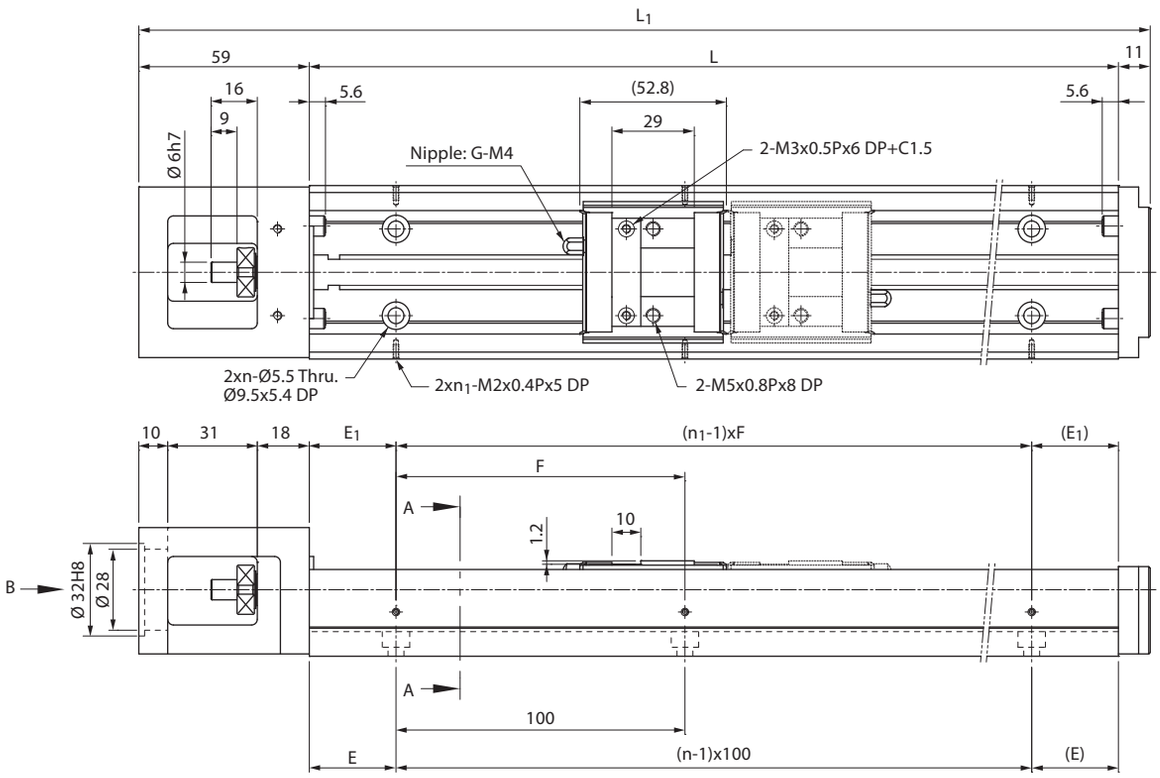
Unit : mm

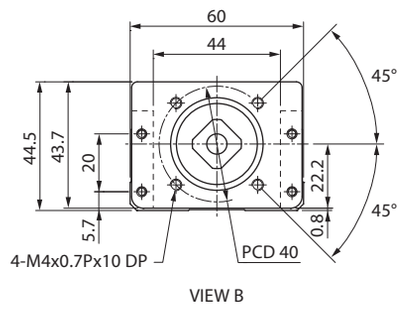
Rail Length L	Overall Length L_1	Max. Stroke		Weight (kg)	
		A Type	B Type	A Type	B Type
150	220	63.3	-	1.87	-
200	270	113.3	-	2.18	-
300	370	213.3	137.8	2.76	3.21
400	470	313.3	237.8	3.38	3.83
500	570	413.3	337.8	4.09	4.54
600	670	513.3	437.8	4.71	5.16

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

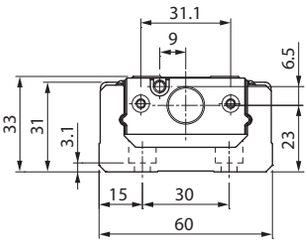
KM 33 standard type

C type : A single carriage-nut with short length
D type : Two carriage-nuts with short length



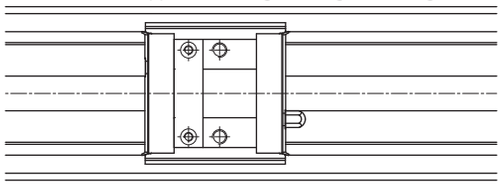


VIEW B

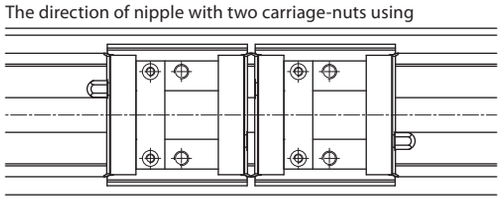


SECTION A-A

The direction of nipple with a single carriage-nut using



The direction of nipple with two carriage-nuts using



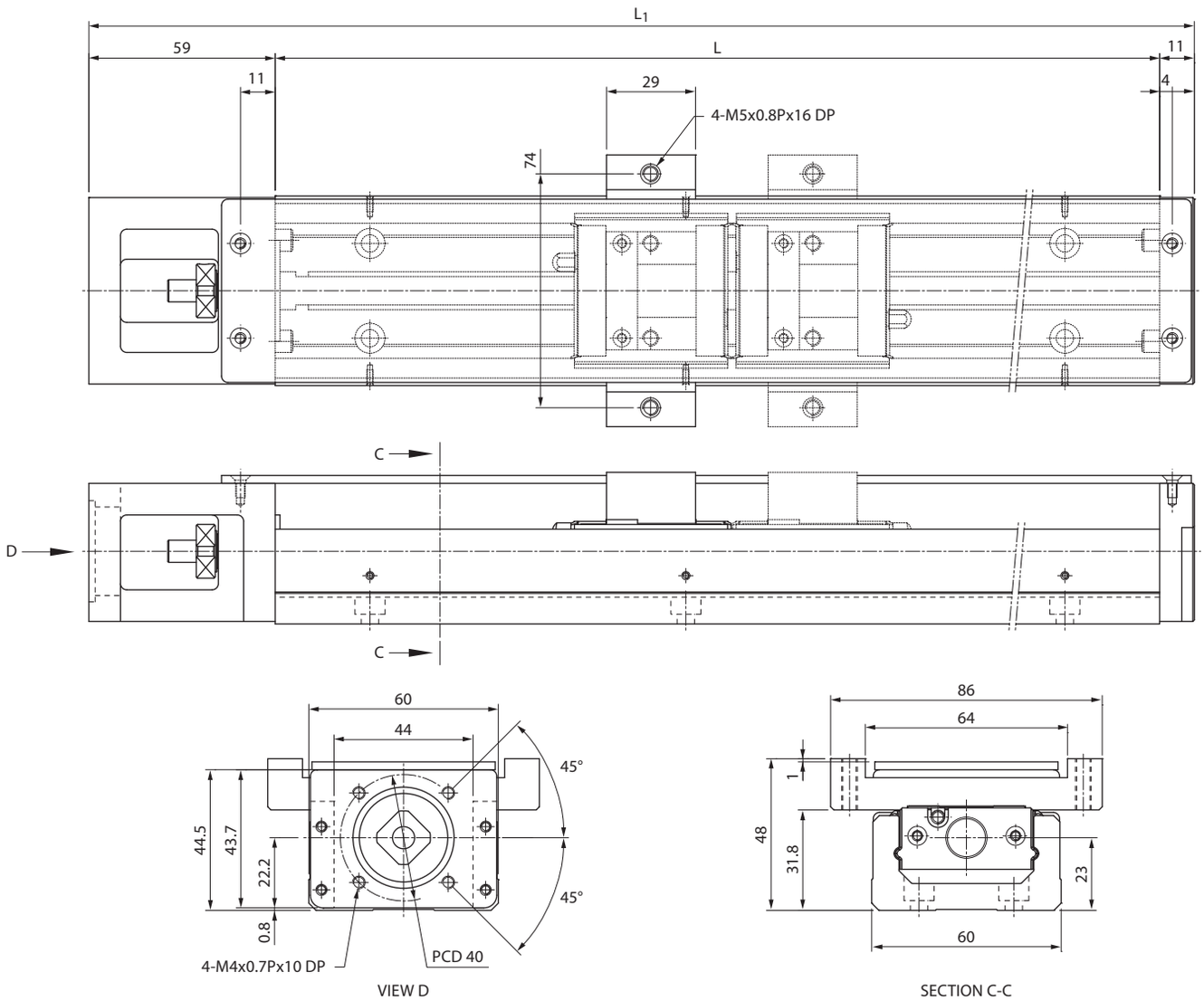
Unit : mm

Rail Length L	Overall Length L_1	Max. Stroke		E	n	E_1	n_1	F	Weight (kg)	
		C Type	D Type						C Type	D Type
150	220	86	33.2	25	2	25	2	100	1.57	1.8
200	270	136	83.2	50	2	50	2	100	1.86	2.09
300	370	236	183.2	50	3	50	2	200	2.45	2.68
400	470	336	283.2	50	4	100	2	200	3.05	3.28
500	570	436	383.2	50	5	50	3	200	3.73	3.96
600	670	536	483.2	50	6	100	3	200	4.34	4.57

* The max. stroke of D type is base on two carriage-nuts used in closed contact with each other.

KM 33 cover type

C type : A single carriage-nut with short length
D type : Two carriage-nuts with short length



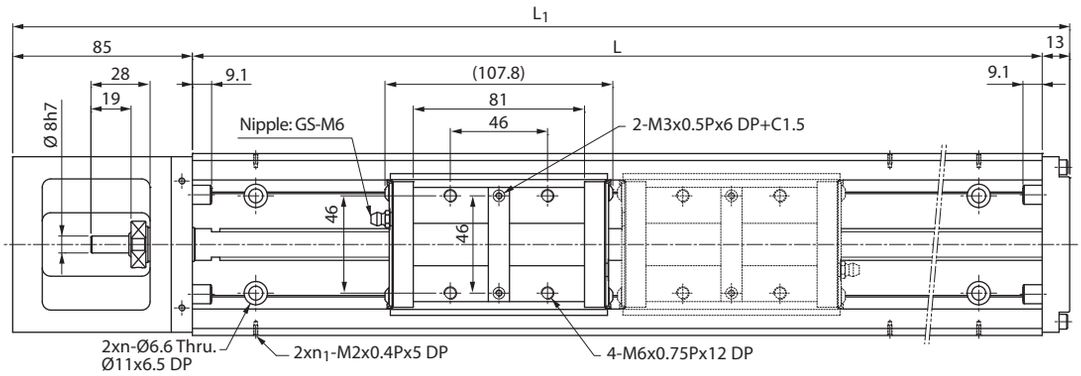
Unit : mm

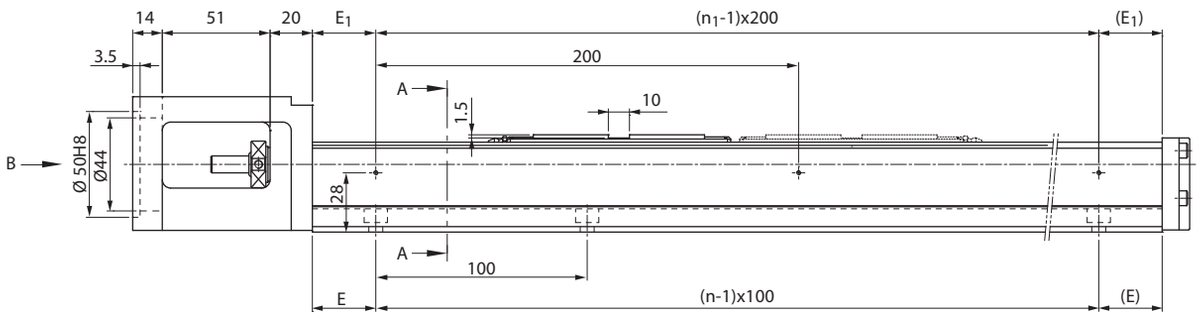
Rail Length L	Overall Length L_1	Max. Stroke		Weight (kg)	
		C Type	D Type	C Type	D Type
150	220	86	33.2	1.68	1.93
200	270	136	83.2	1.99	2.24
300	370	236	183.2	2.62	2.87
400	470	336	238.2	3.26	3.51
500	570	436	383.2	3.99	4.24
600	670	536	483.2	4.64	4.89

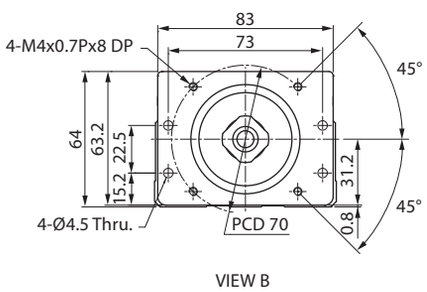
* The max. stroke of D type is base on two carriage-nuts used in closed contact with each other.

KM 46 standard type

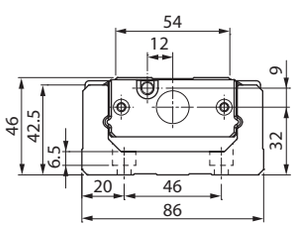
A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length





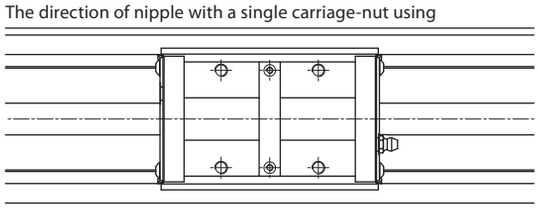


VIEW B

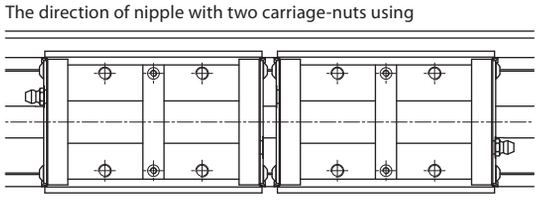


SECTION A-A

The direction of nipple with a single carriage-nut using



The direction of nipple with two carriage-nuts using



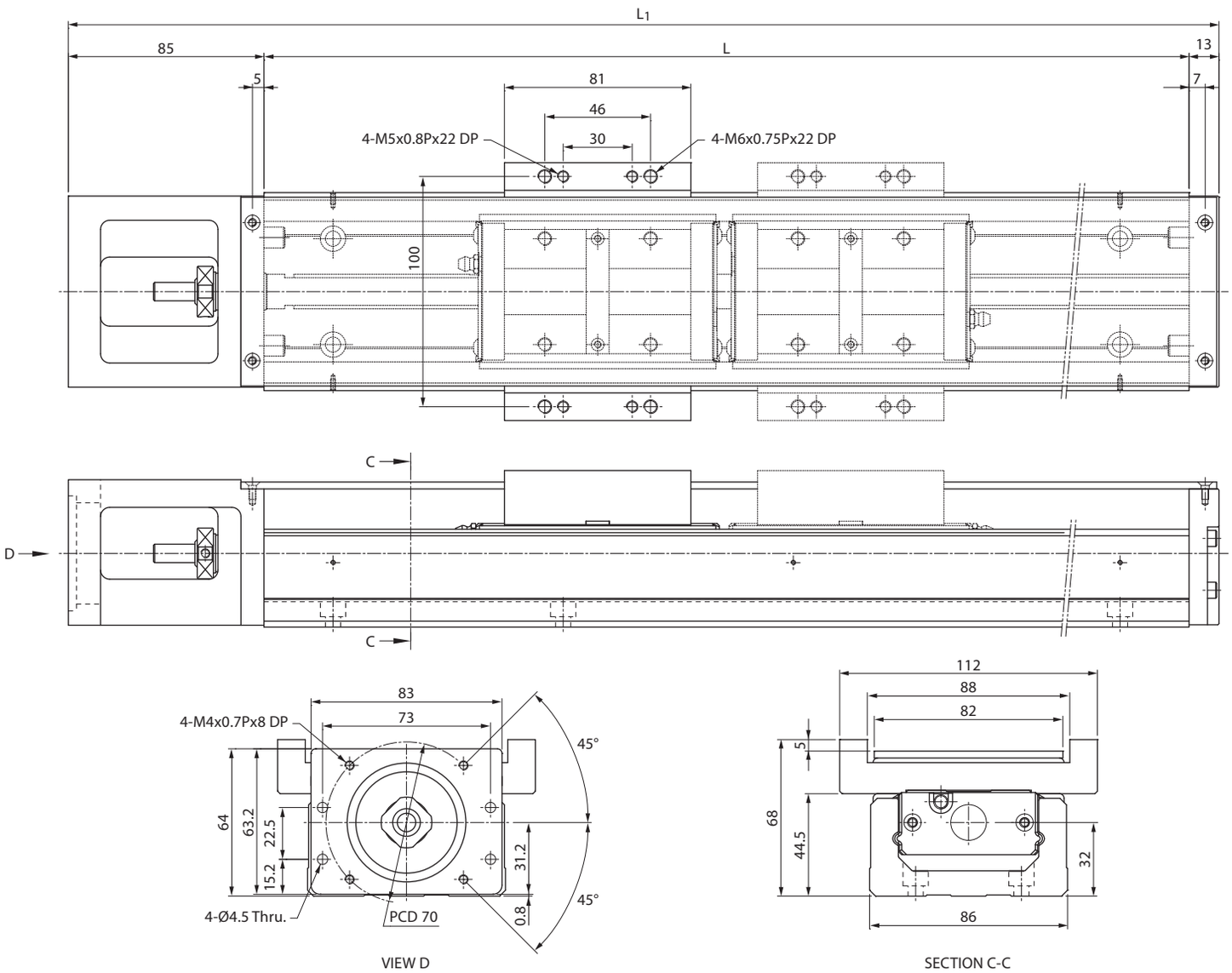
Unit : mm

Rail Length L	Overall Length L_1	Max. Stroke		E	n	E_1	n_1	Weight (kg)	
		A Type	B Type					A Type	B Type
340	438	216	110	70	3	70	2	7.65	8.85
440	538	316	210	70	4	20	3	8.94	10.14
540	638	416	310	70	5	70	3	10.24	11.44
640	738	516	410	70	6	20	4	11.55	12.75
740	838	616	510	70	7	70	4	12.95	14.15
940	1038	816	710	70	9	70	5	15.24	16.44

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

KM 46 cover type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length



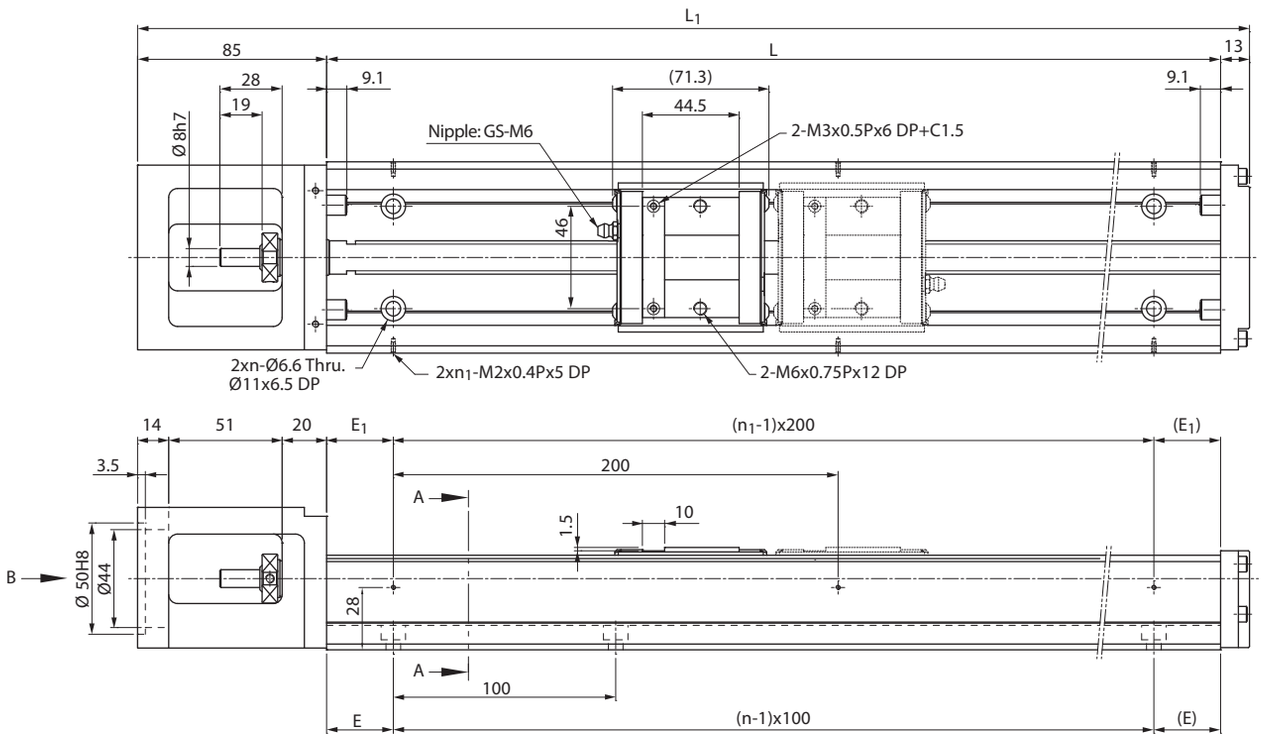
Unit : mm

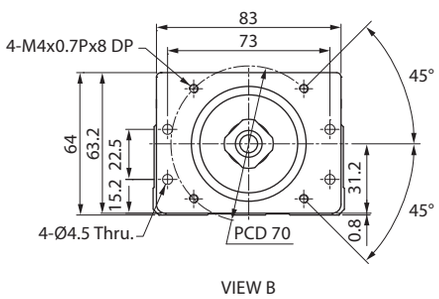
Rail Length L	Overall Length L_1	Max. Stroke		Weight (kg)	
		A Type	B Type	A Type	B Type
340	438	216	110	8.25	9.65
440	538	316	210	9.54	10.94
540	638	416	310	10.84	12.24
640	738	516	410	12.15	13.55
740	838	616	510	13.55	14.95
940	1038	816	710	15.84	17.24

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

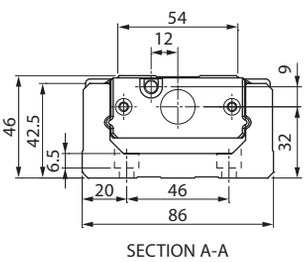
KM 46 standard type

C type : A single carriage-nut with short length
D type : Two carriage-nuts with short length



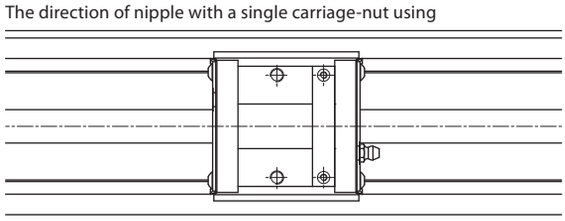


VIEW B

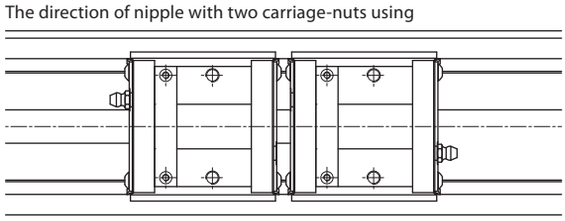


SECTION A-A

The direction of nipple with a single carriage-nut using



The direction of nipple with two carriage-nuts using



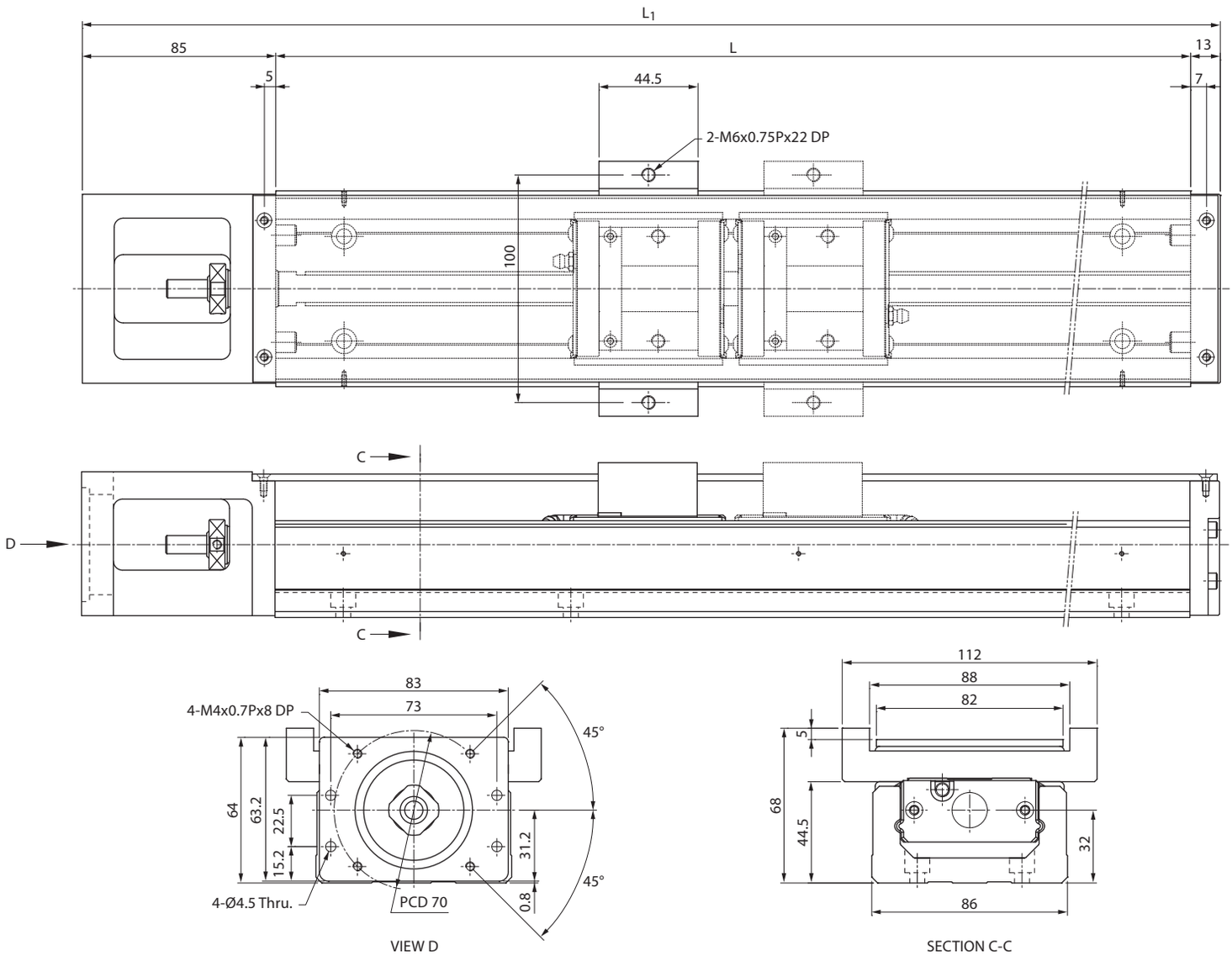
Unit：mm

Rail Length L	Overall Length L_1	Max. Stroke		E	n	E_1	n_1	Weight (kg)	
		C Type	D Type					C Type	D Type
340	438	251	179	70	3	70	2	7.25	8.05
440	538	351	279	70	4	20	3	8.54	9.34
540	638	451	379	70	5	70	3	9.84	10.64
640	738	551	479	70	6	20	4	11.15	11.95
740	838	651	579	70	7	70	4	12.55	13.35
940	1038	851	779	70	9	70	5	14.84	15.64

* The max. stroke of D type is base on two carriage-nuts used in closed contact with each other.

KM 46 cover type

C type : A single carriage-nut with short length
D type : Two carriage-nuts with short length



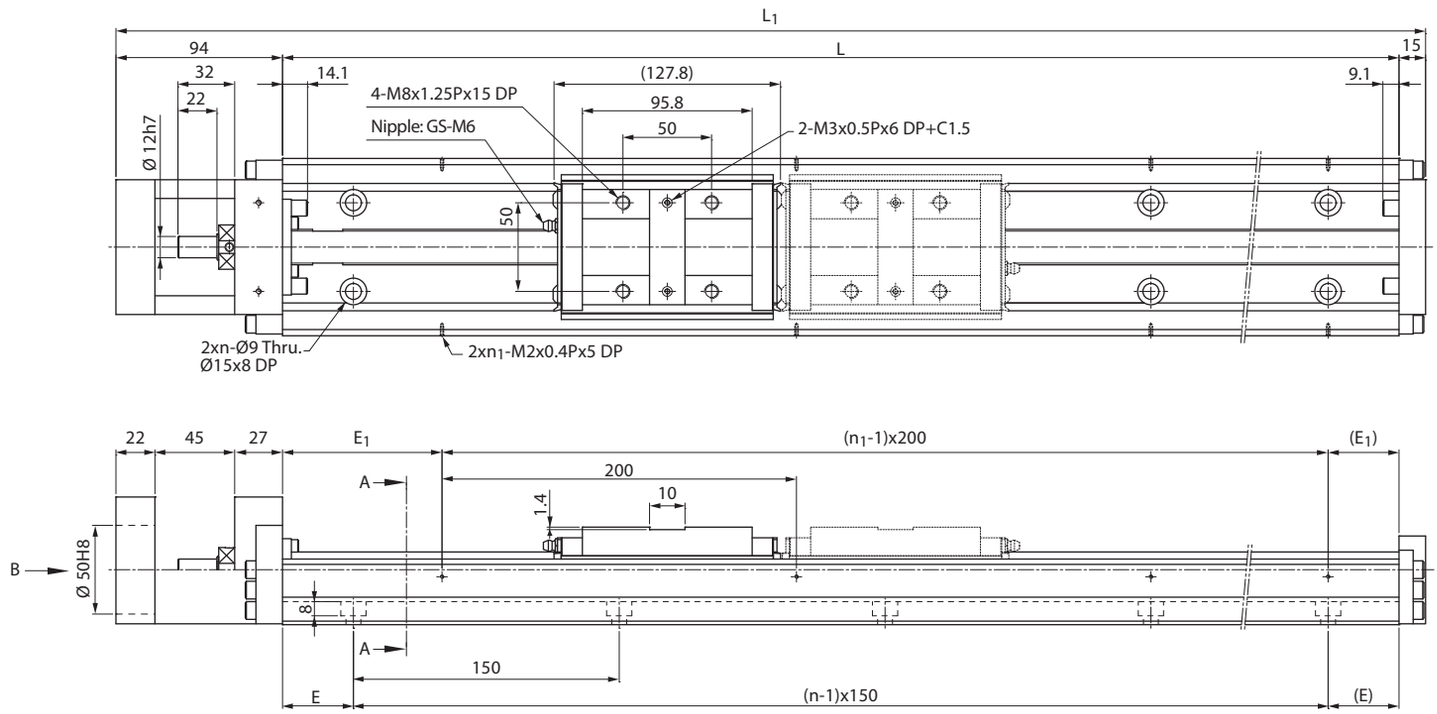
Unit : mm

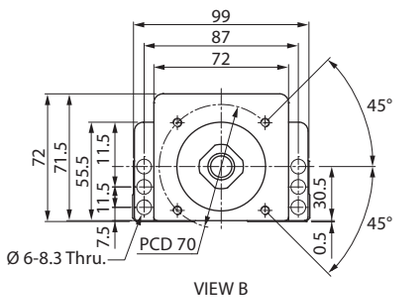
Rail Length L	Overall Length L_1	Max. Stroke		Weight (kg)	
		C Type	D Type	C Type	D Type
340	438	251	179	7.45	8.45
440	538	351	279	8.74	9.74
540	638	451	379	10.04	11.04
640	738	551	479	11.35	12.35
740	838	651	579	12.75	13.75
940	1038	851	779	15.04	16.04

* The max. stroke of D type is base on two carriage-nuts used in closed contact with each other.

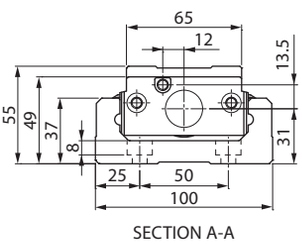
KM 55 standard type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length



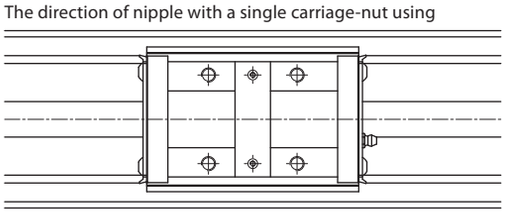


VIEW B

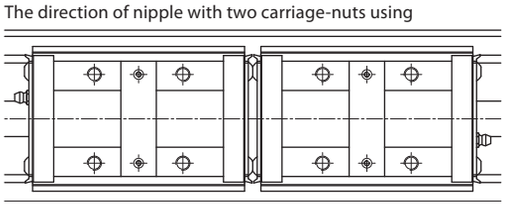


SECTION A-A

The direction of nipple with a single carriage-nut using



The direction of nipple with two carriage-nuts using



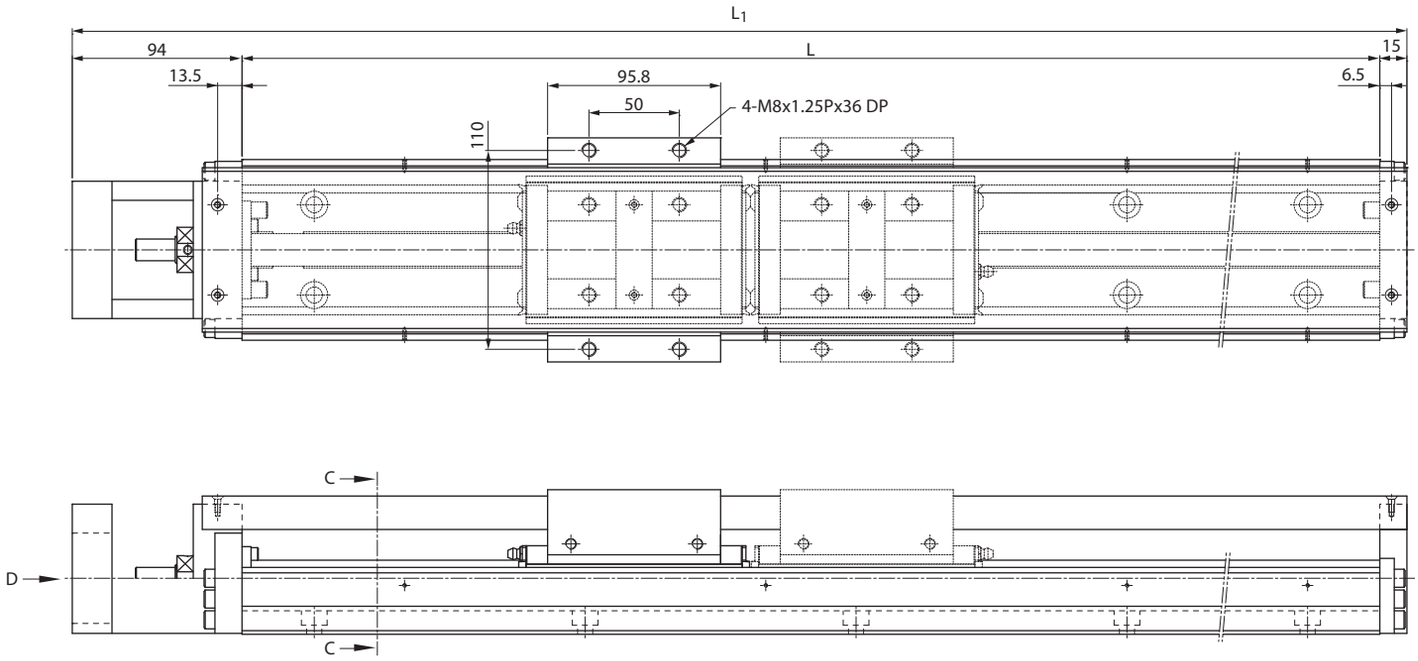
Unit：mm

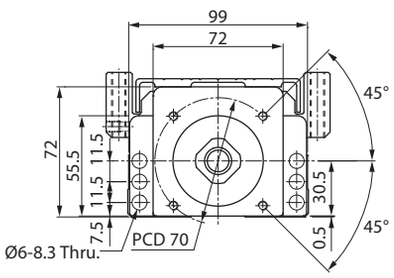
Rail Length L	Overall Length L_1	Max. Stroke		E	n	E_1	n_1	Weight (kg)	
		A Type	B Type					A Type	B Type
980	1089	828	699	40	7	90	5	19.90	21.62
1080	1189	928	799	15	8	40	6	21.63	23.35
1180	1289	1028	899	65	8	90	6	23.36	25.08
1280	1389	1128	999	40	9	40	7	25.09	26.81
1380	1489	1228	1099	15	10	90	7	26.82	28.54

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

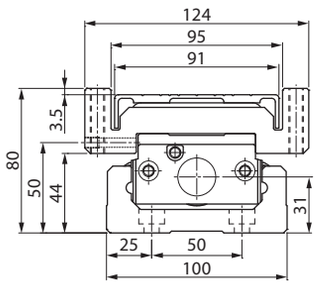
KM 55 cover type

A type : A single carriage-nut with standard length
B type : Two carriage-nuts with standard length





VIEW D



SECTION C-C

Unit : mm

Rail Length L	Overall Length L_1	Max. Stroke		Weight (kg)	
		A Type	B Type	A Type	B Type
980	1089	828	699	21.78	24.25
1080	1189	928	799	23.61	26.08
1180	1289	1028	899	25.44	27.91
1280	1389	1128	999	27.26	29.73
1380	1489	1228	1099	29.09	31.56

* The max. stroke of B type is base on two carriage-nuts used in closed contact with each other.

PRECISION MOTION INDUSTRIES, INC.
No.71, Lane 20, Dafu Road, Shen Kang Hsiang,
Taichung Hsien 42946, Taiwan
TEL: +886-4-25282984 FAX: +886-4-25283392
E-mail: pmi.info@pmi-amt.com.tw

Designed by Point / +886-4-2296-2988 | +886-932-604960