



## YOSO German quality, Industrie 4.0 best platform



High rigidity

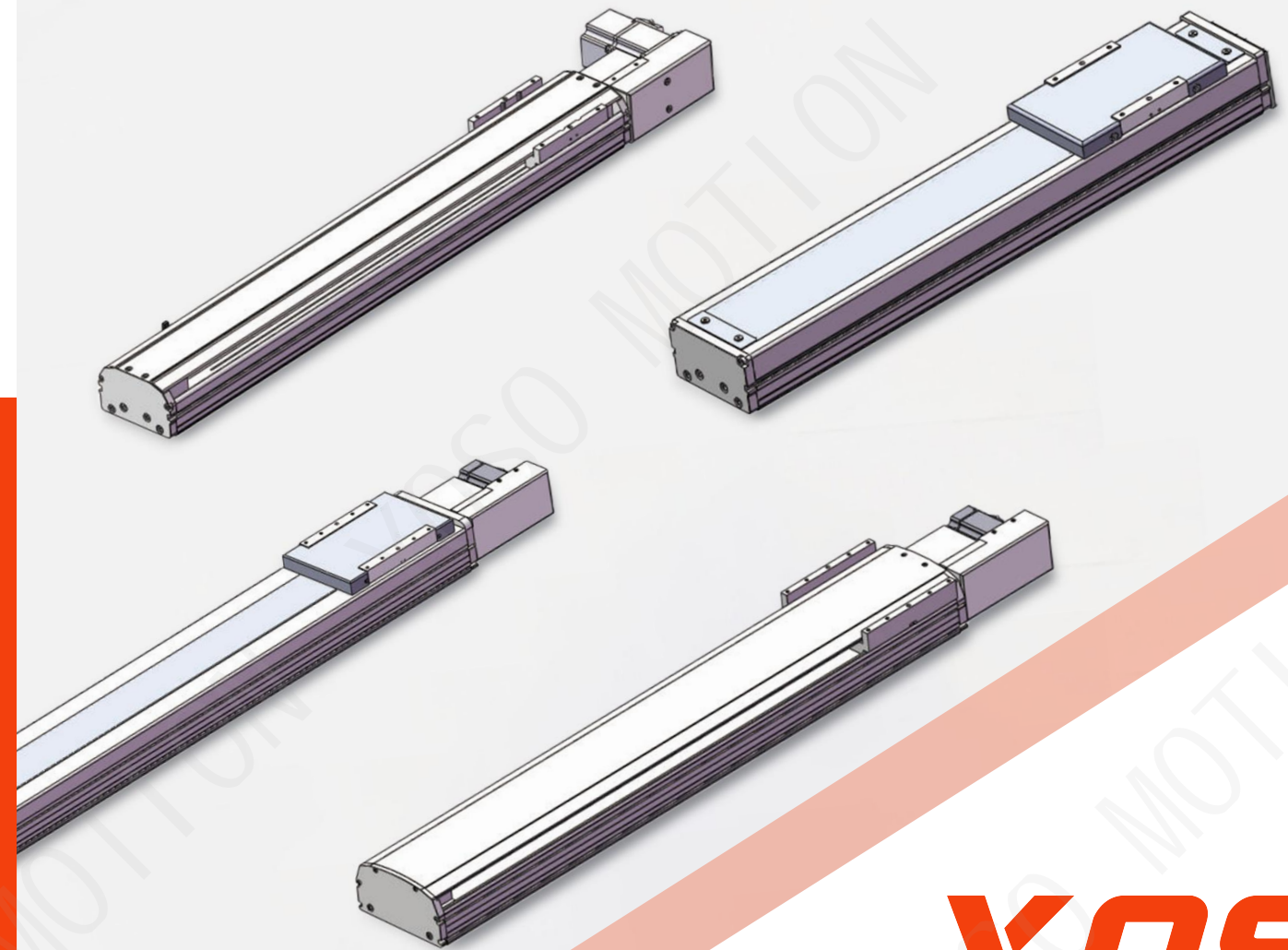


Stable



Precise

Focusing on the research and production of high-precision modules.



# BELT DRIVE

Jingpeng Machinery Equipment (Shanghai) Co., Ltd.

Contact information:

Telephone: 0086-13636560152

Address: Room 123, Building 11, Block B, No. 1101 Huyi Road, Jiading District, Shanghai

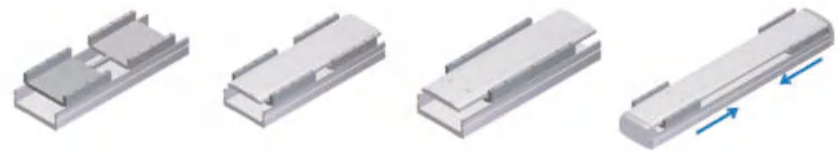
Website: [www.yosomove.com](http://www.yosomove.com)



Whatsapp

Products Introduced-Standard Belt Actuator


**Various Slide Options**



Double Slider (Dual Drive Control)   Double Slider (Single Control)   Extended Slide   Alignment


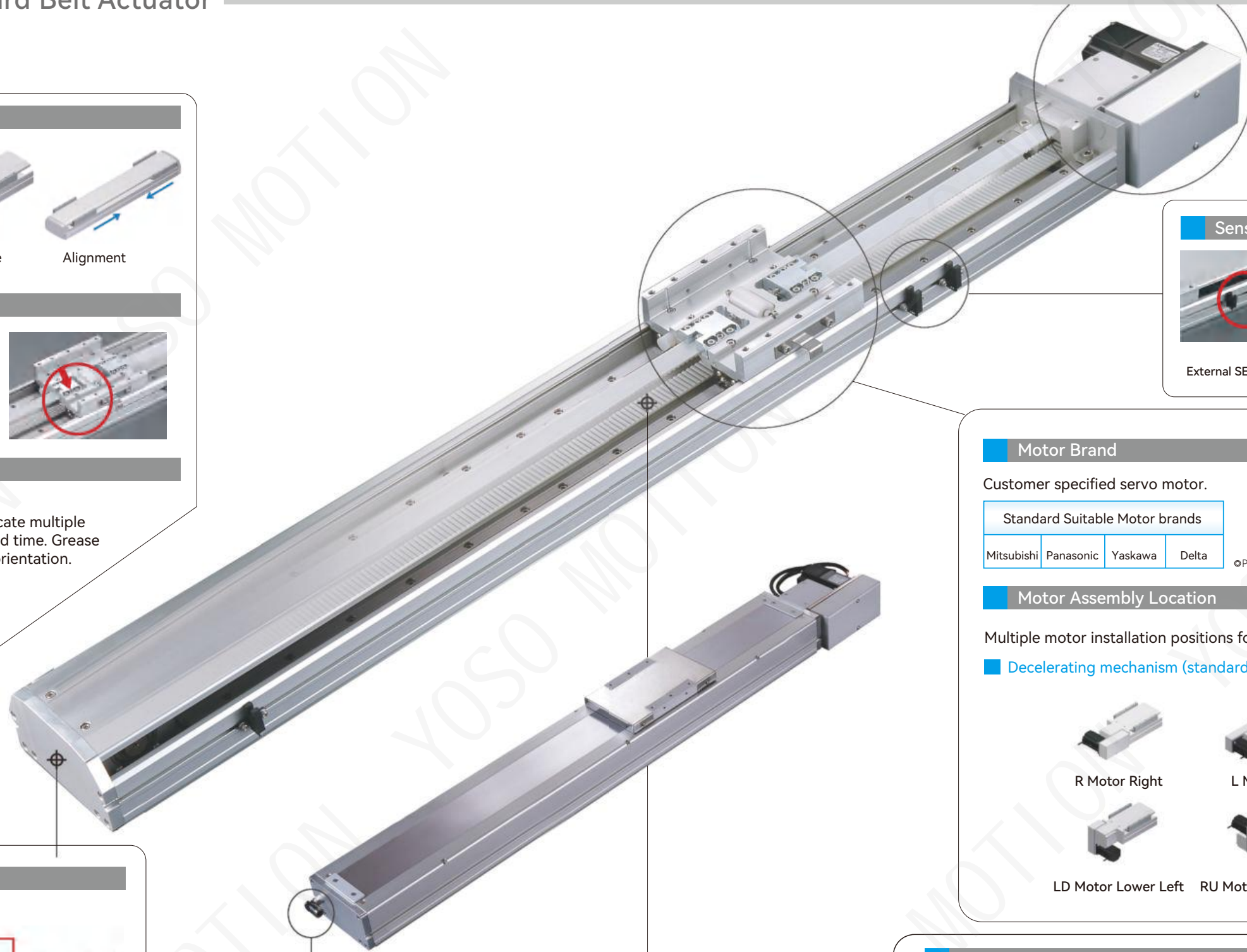
**Belt Adjusting Mechanism**

Proprietary dual side adjustment limiter to prevent loosening of belt fixture.




**Patent Oil Add Hold (Option)**

Patented single grease fitting on the slide to lubricate multiple areas which can reduce maintenance overhead and time. Grease fitting can also be tailored to customer specified orientation.

**Sensor Location**



External SENSOR   External SENSOR Trigger Device

**Motor Brand**

Customer specified servo motor.

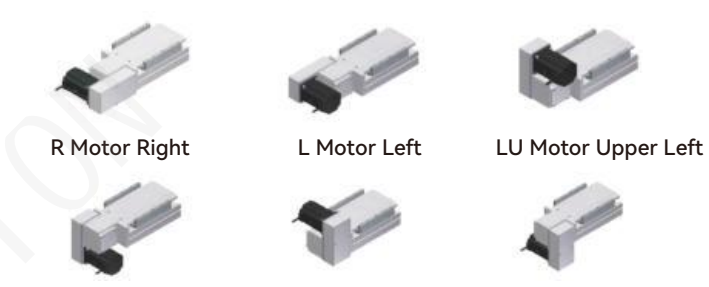
Standard Suitable Motor brands			
Mitsubishi	Panasonic	Yaskawa	Delta

◎Please consult our sales personnel for other motor specifications.

**Motor Assembly Location**

Multiple motor installation positions for added flexibility in tool design.

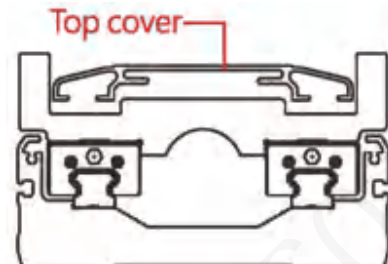
**Decelerating mechanism (standard type)**



R Motor Right   L Motor Left   LU Motor Upper Left  
LD Motor Lower Left   RU Motor Upper Right   RD Motor Lower Right

**High Rigidity Body And Cover**

High rigidity mainframe and cover: One piece extruded aluminum structure for optimal rigidity and weight ratio.



Top cover

Torsion resist top lid:  
Special torsion-resistant top lid design to prevent deformation during long stroke.


**Clean Room Type**

**CLASS10~1000**  
Vacuum connector for clean room use.


**Belt Options**

Belt type is application dependent.

PU belt



Rubber belt



	PU belt	Rubber belt
Specifications	S5M, With Steel Mesh	S5M, With Glass Fiber
Application	Clean Room	Normal Environment
Advantage	Low Dust	Low Noise
Drawback	Noisy	Dusty

Products Introduced-European scale group silent belt models

Self-lubricating oil sealing system

Self-lubricating sealing system, clean lubrication, maintenance-free

High speed silence

Light inertia sider design to achieve high-speed silence

Optional steel/rubber synchronous belt

Customer specified servo motor

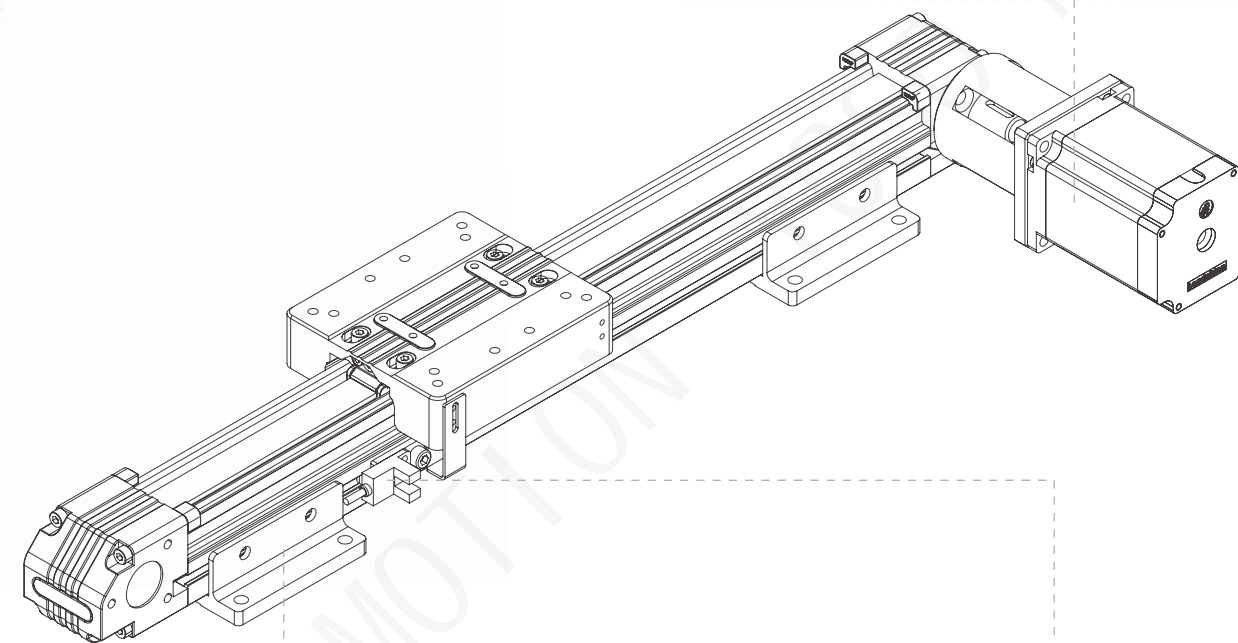


Larger travel

Free travel, single root up to 5700 mm, Profiles can be spiced for greater travel

Adaptive reducer

Can be adapted to 57,86 step and 60,80 frame servo motor and corresponding reducer, motor can be directly connected, side connected



High rigidity

High-rigidity aluminum alloy integrated design, Fast modular multi-axis construction is possible

installation position is freely adjustable

There are nut slots on the side and bottom of the rail beam, which can be installed directly at the bottom or with the support seat of the slide, table, fast and convenient, and the installation position is free and adjustable.

Photoelectric or proximity switch

Adaptive slot type photoelectric or proximity switch for different applications

Product Index-Standard Belt Actuator

Use Where	Driven Mode	Model Specification	Motor Output (w)	width (mm)	Repeatability (mm)	Belt Spec		Maximum Payload(kg)		Maximum Speed*1 (mm/s)	Stroke(mm)& Maximum Speed(mm/s)*2																Speed*										Page		
						Belt width(mm)	Lead(mm)	Horizontal	Vertical		Stroke	150	300	450	600	800	900	1050	1200	1350	1500	1650	1800	1950	2100	2150	2300	2550	2600	2750	3050	3150	3300	3450	3600	3750		3900	4050
	DETB12	200W	102	±0.04	18	40/90	22/11		2000	2000																										17			
	DETB12B	400W	122	±0.04	25	50/100	34/17		2500	2500																										23			
	DETB14	400W	135	±0.04	25	50/100	40/20		2500	2500																										29			
	DETB17	750W	170	±0.04	40	50/100	60/30		2500	2500																										35			
	DETB22	1000W	220	±0.04	50	60/120	85/42		3000	3000																										41			

\*1:The highest speed is based on the maximum servo motor's rpm (3000).

\*2:Written here is the standard stroke's maximum safe speed. If over this speed, it may cause serious vibration.

Product Index-Clean Room Belt C

Use Where	Driven Mode	Model Specification	Motor Output (w)	width (mm)	Repeatability (mm)	Belt Spec		Maximum Payload(kg)		Maximum Speed*1 (mm/s)	Stroke(mm)& Maximum Speed(mm/s)*2																Speed*										Page		
						Belt width(mm)	Lead(mm)	Horizontal	Vertical		Stroke	150	300	450	600	800	900	1050	1200	1350	1500	1650	1800	1950	2100	2150	2300	2550	2600	2750	3050	3150	3300	3450	3600	3750		3900	4050
	DECB12	200W	102	±0.04	18	40/90	22/11		2000	2000																										55			
	DECB12B	400W	122	±0.04	25	50/100	34/17		2500	2500																										61			
	DECB14	400W	135	±0.04	25	50/100	40/20		2500	2500																										67			
	DECB17	750W	170	±0.04	40	50/100	60/30		2500	2500																										73			
	DECB22	1000W	220	±0.04	50	60/120	85/42		2500	2400																										79			

\*1:The highest speed is based on the maximum servo motor's rpm (3000).

\*2:Written here is the standard stroke's maximum safe speed. If over this speed, it may cause serious vibration.



MEMO

# DET B Series

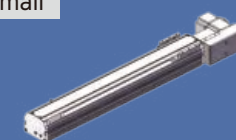
Standard/Belt Type

## CONTENTS

Standard/Belt Type

P11 Small

DET B8



Width 86mm  
Max.stroke 1350mm  
Max.payload 14kg

P29 Medium

DET B14



Width 135mm  
Max.stroke 2250mm  
Max.payload 40kg

P17 Medium

DET B12



Width 105mm  
Max.stroke 1750mm  
Max.payload 22kg

P17 Large

DET B17



Width 170mm  
Max.stroke 2550mm  
Max.payload 60kg

P23 Medium

DET B12B



Width 122mm  
Max.stroke 2250mm  
Max.payload 34kg

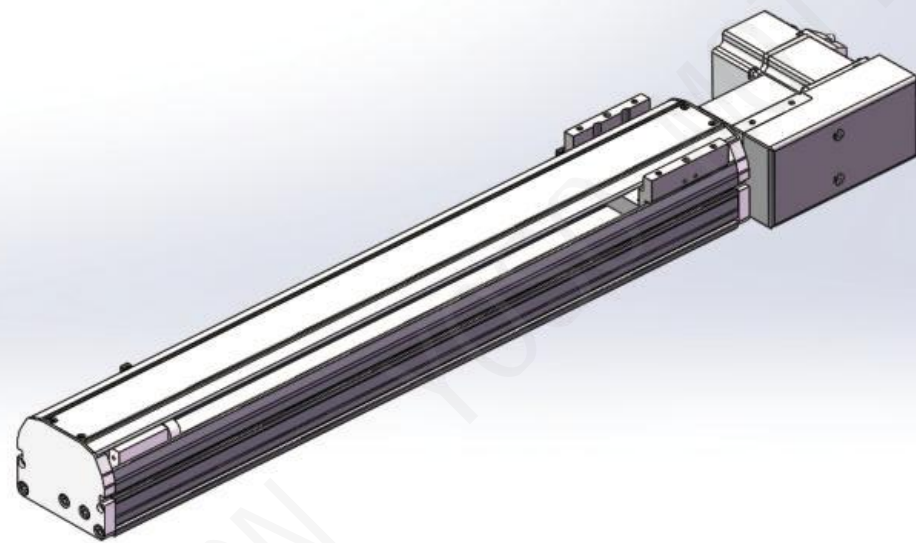
P41 Large

DET B22



Width 220mm  
Max.stroke 3500mm  
Max.payload 85kg

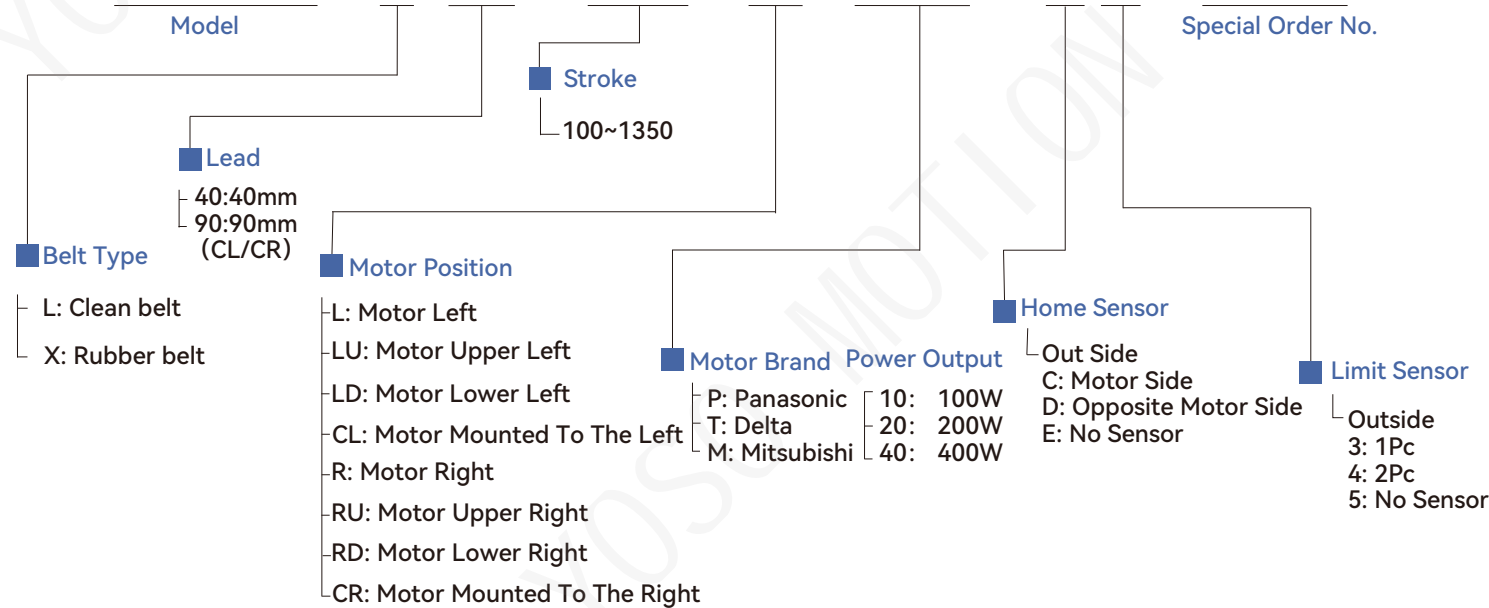
# DETB8 1-axis



Maximum Stroke **1350mm**    Maximum Speed **4500mm/s**    Motor Output **200W**    Belt Width **18mm**    Linear Guide **15x12.5-1**

### Ordering Method

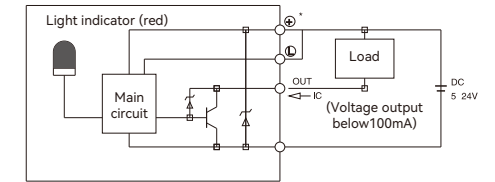
**DETB8 - L 40 - 100 - L - P20 - C 4 - 0001**



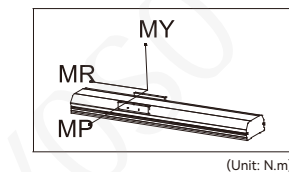
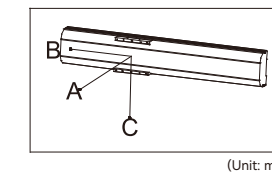
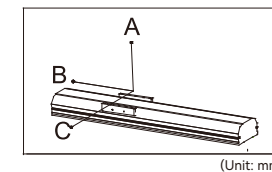
### Specification

Performance	Repeatability (mm)	±0.04		
	Lead (mm)	40	90	
	Maximum Speed (mm/s)	2000	4500	
	Maximum Payload	Horizontal(kg)	14	7
		Vertical(kg)	/	
	Rated Thrust (N)	105	55	
Components	Stroke Pitch (mm)	100-1350mm/50pitch		
	AC Servo Motor Output (w)	200W		
	Belt Width (mm)	18		
	High Rigidity Linear Guide(mm)	15x12.5		
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	4kg	905	325		285	4kg	285
8kg	375	145	125	8kg	125	145	375
14kg	205	75	60	14kg	60	75	205

### Static Loading Moment

MY	88
MP	88
MR	96

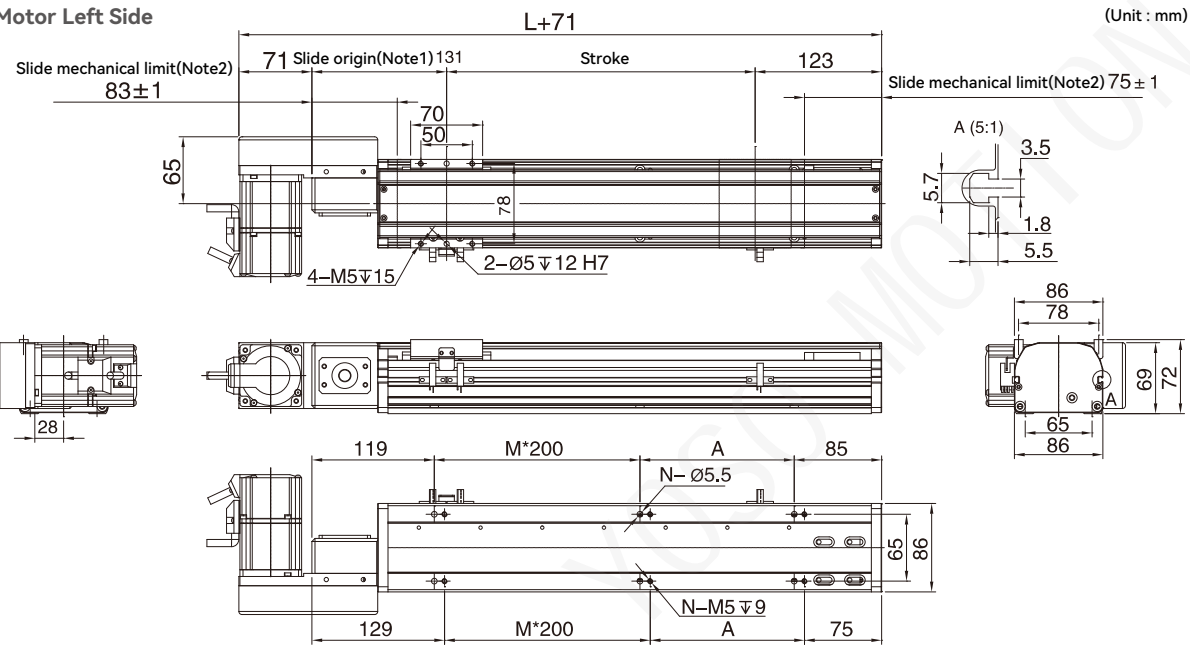
\*The torque value in the chart indicate the center of gravity.  
\*Operation life is 10,000km when the product is using under the specified conditions.

### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	200	220	HG-KR23	MR-J4-20A
Panasonic	P	No Brake (Horizontal Type)	200	220	MSMD022G1U	MCDHT1507
Delta	T	No Brake (Horizontal Type)	200	220	ECMA-C20602ES	ASD-B20221-B

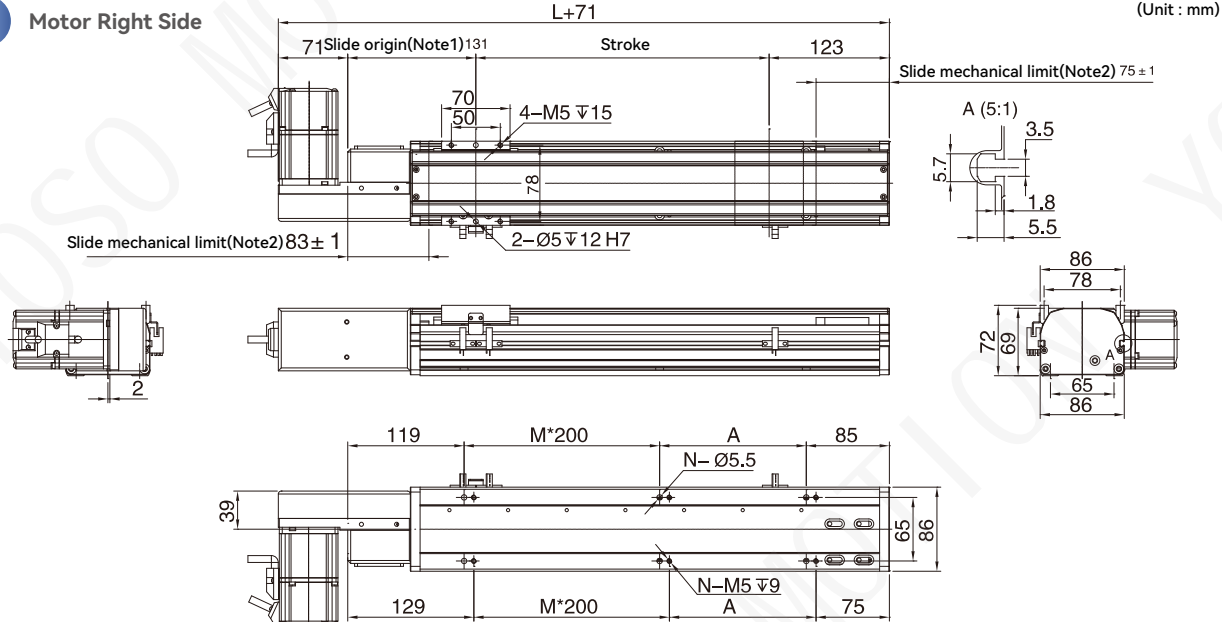
1 axis  
DETB  
DETB8  
DETB12  
DETB12B  
DETB14  
DETB17  
DETB22

**L Motor Left Side** (Unit : mm)



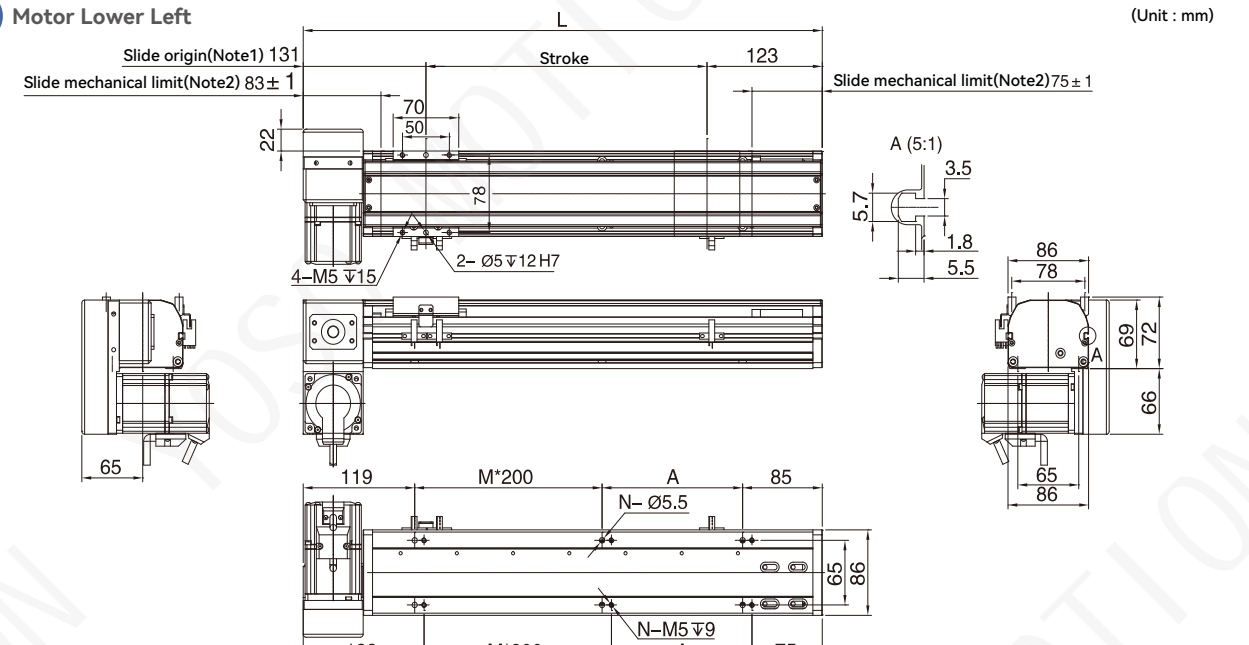
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350
L	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554	1604
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

**R Motor Right Side** (Unit : mm)



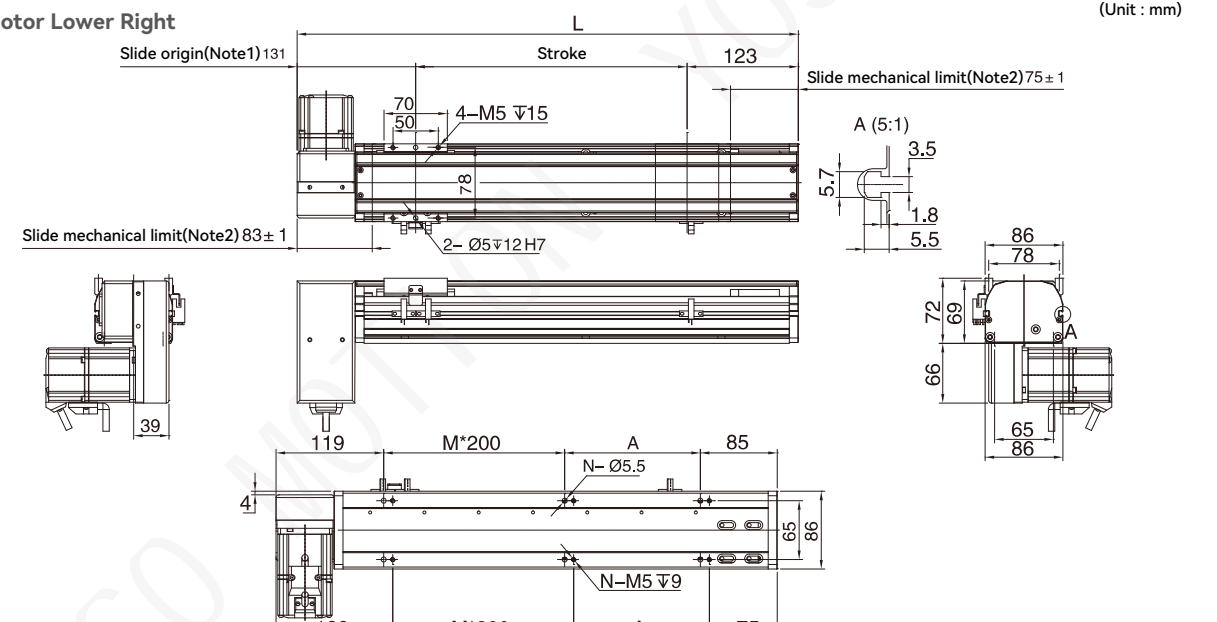
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350
L	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554	1604
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

**LD Motor Lower Left** (Unit : mm)



Stroke	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	1350
L	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554	1604
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

**RD Motor Lower Right** (Unit : mm)

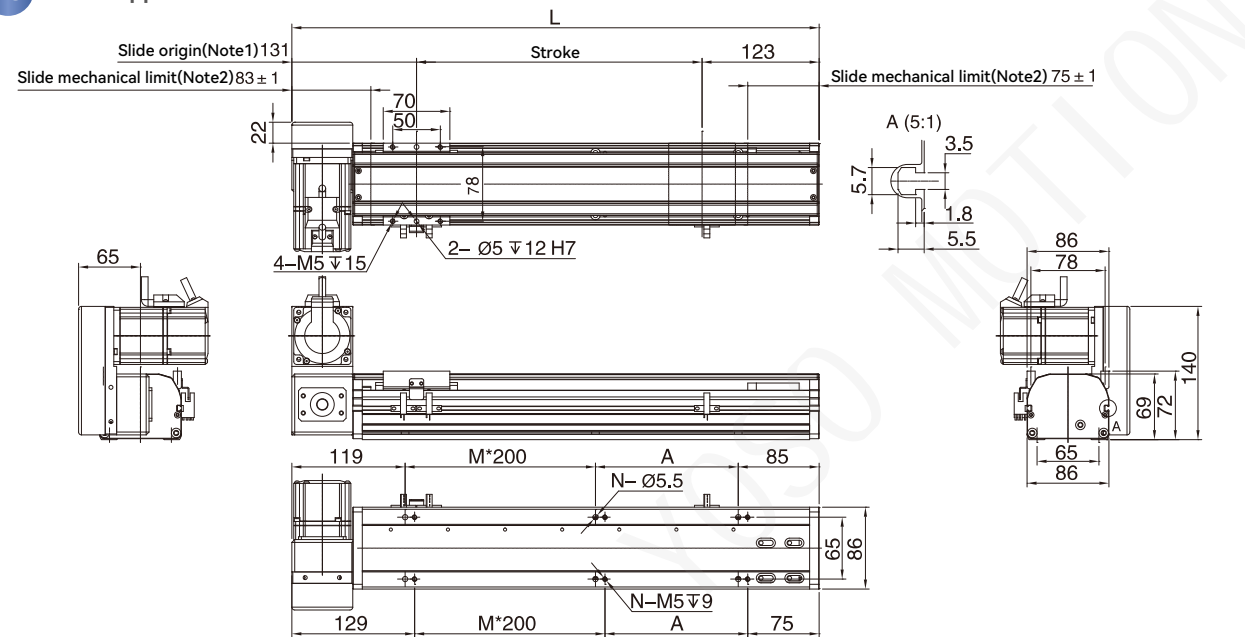


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350
L	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554	1604
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

1 axis  
DET8  
DET8B  
DET12  
DET12B  
DET14  
DET17  
DET22

## LU Motor Upper Left

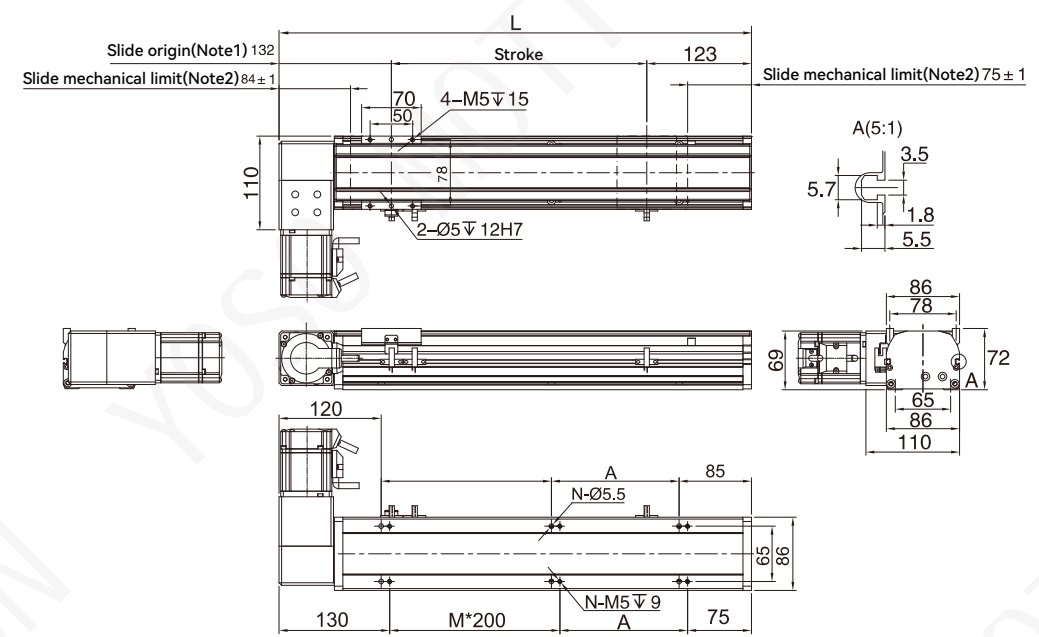
(Unit : mm)



Stroke	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	1350
L	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554	1604
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

## CL Motor Mounted To The Left

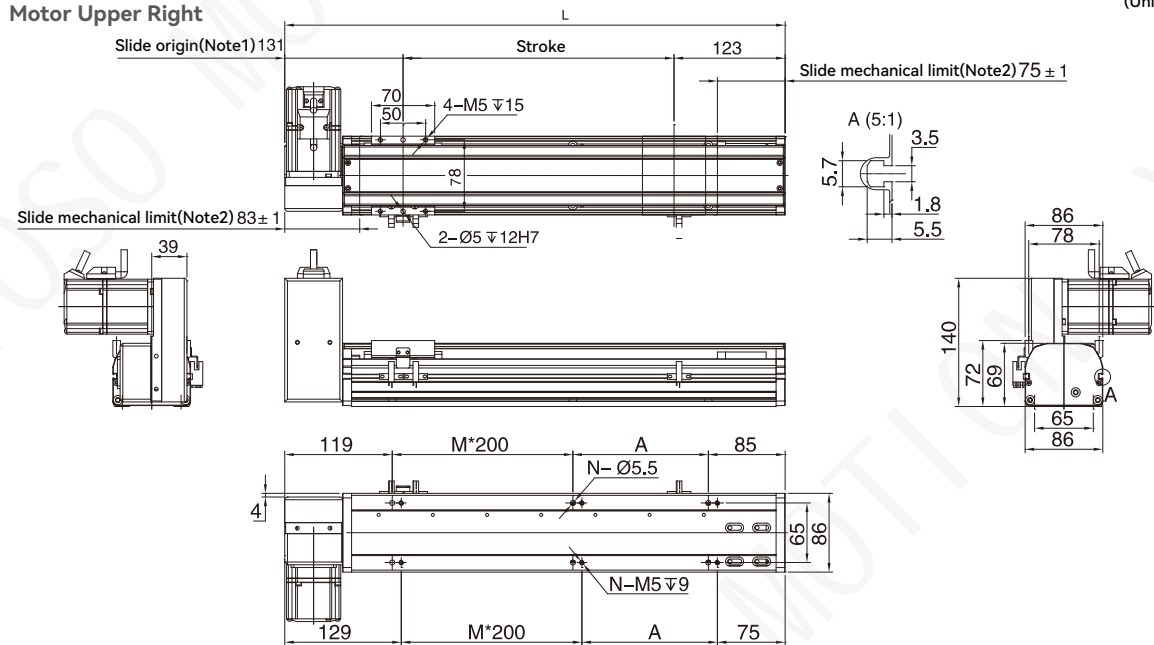
(Unit : mm)



Stroke	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	1350
L	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555	1605
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

## RU Motor Upper Right

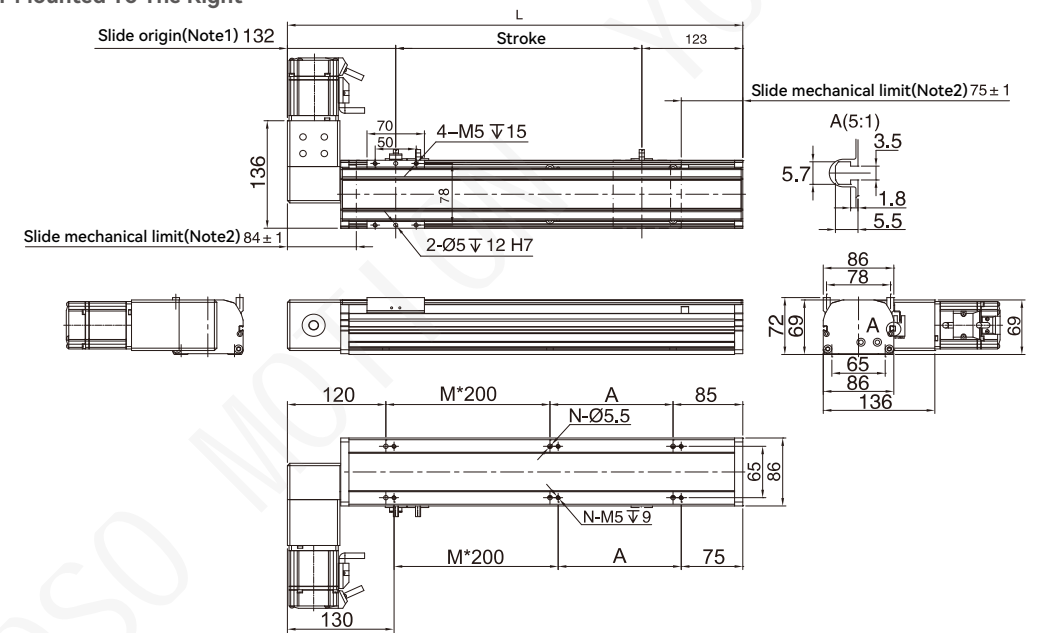
(Unit : mm)



Stroke	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	1350
L	354	404	454	504	554	604	654	704	754	804	854	904	954	1004	1054	1104	1154	1204	1254	1304	1354	1404	1454	1504	1554	1604
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

## CR Motor Mounted To The Right

(Unit : mm)



Stroke	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	1350
L	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355	1405	1455	1505	1555	1605
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	5	5.43	5.85	6.27	6.72	7.12	7.54	7.96	8.39	8.81	9.23	9.66	10.08	10.5	10.93	11.35	11.77	12.19	12.62	13.04	13.46	13.88	14.3	14.72	15.14	15.56

1 axis  
DET8  
DET8B  
DET812  
DET812B  
DET814  
DET817  
DET822

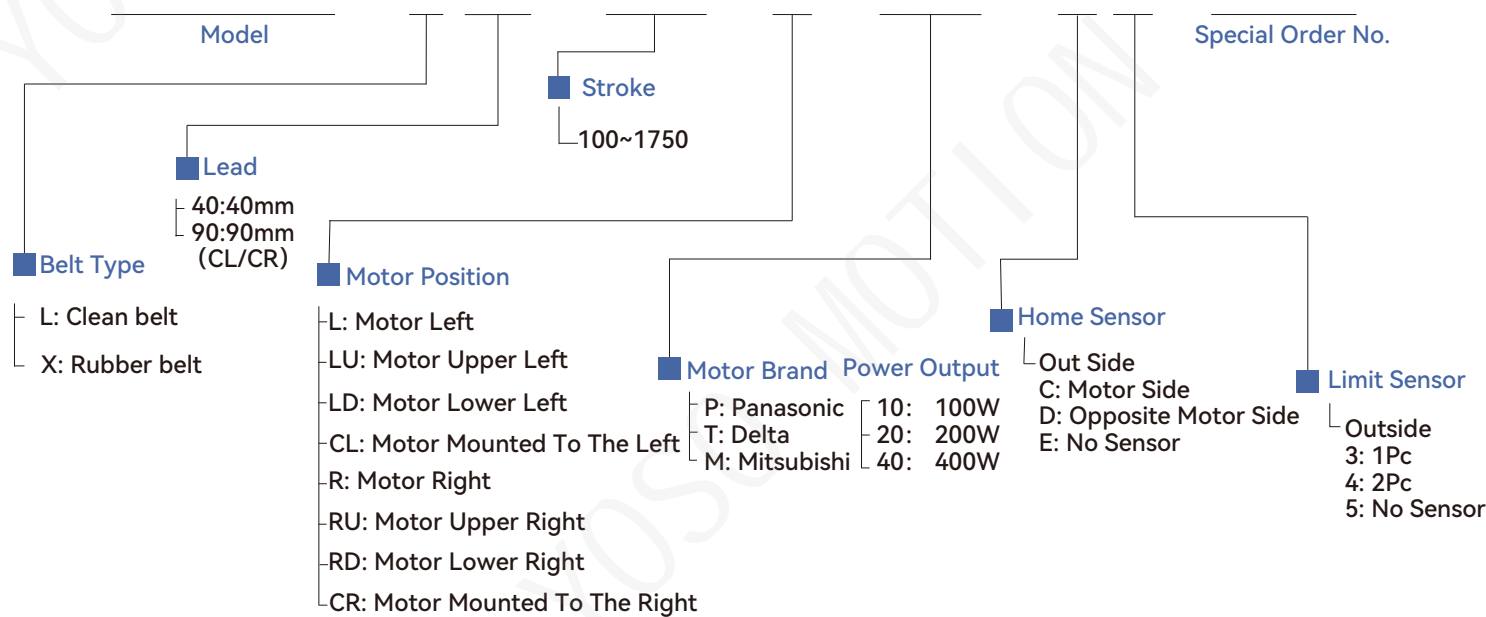
# DETB12 1-axis



Maximum Stroke **1750mm**
Maximum Speed **4500mm/s**
Motor Output **200W**
Belt Width **18mm**
Linear Guide **15x12.5-2**

### Ordering Method

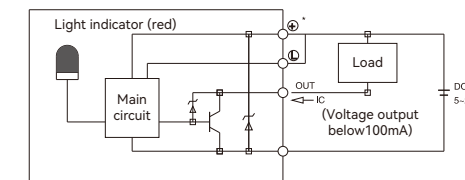
**DETB12 - L 40 - 100 - L - P20 - C 4 - 0001**



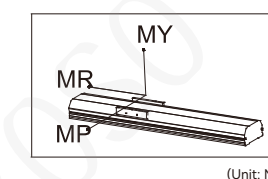
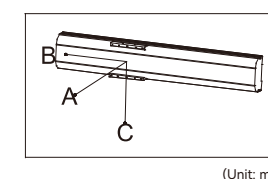
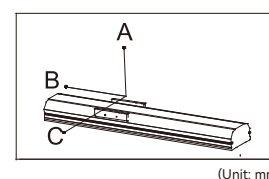
### Specification

Performance	Repeatability (mm)	±0.04		
	Lead (mm)	40	90	
	Maximum Speed (mm/s)	2000	4500	
	Maximum Payload	Horizontal(kg)	22	11
		Vertical(kg)	/	
	Rated Thrust (N)	105	55	
Components	Stroke Pitch (mm)	100-1750mm/50pitch		
	AC Servo Motor Output (w)	200W		
	Belt Width (mm)	18		
	High Rigidity Linear Guide(mm)	15x12.5		
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	5kg	905	325		285	5kg	285
13kg	375	145	125	13kg	125	145	375
22kg	205	75	60	22kg	60	75	205

### Static Loading Moment

MY	150
MP	150
MR	130

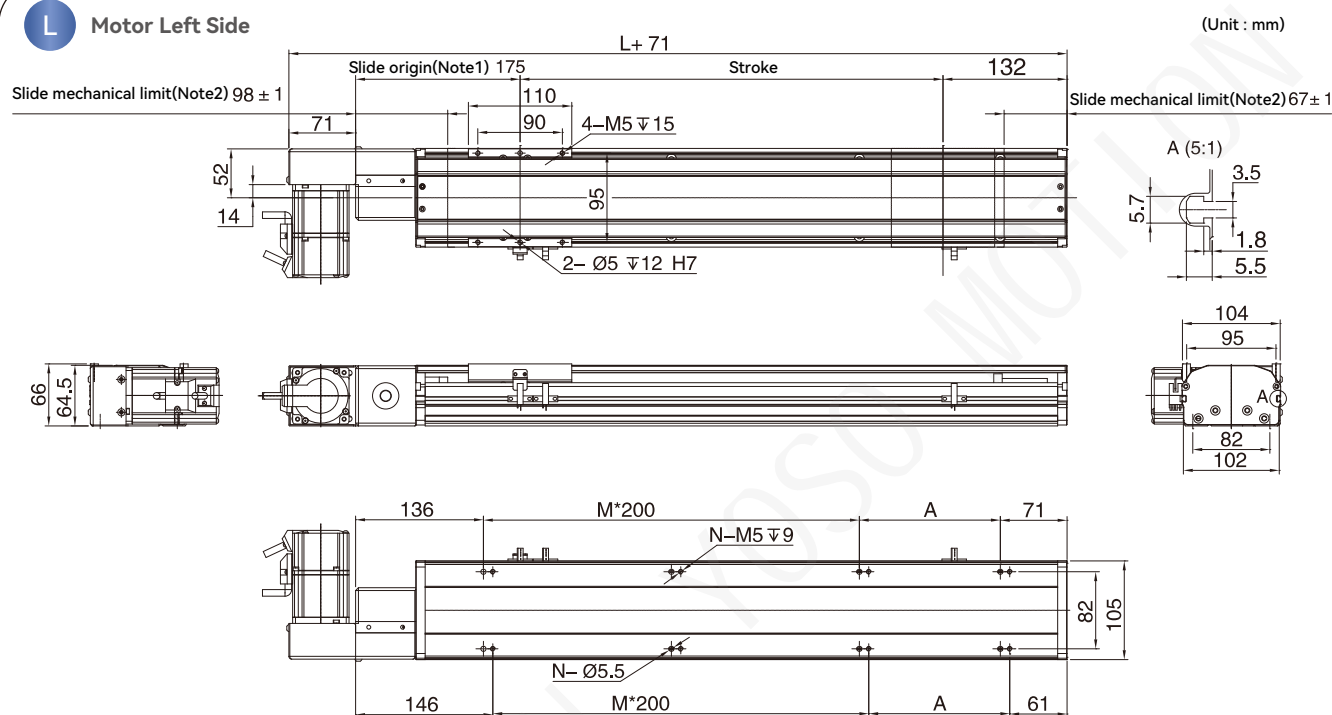
\*The torque value in the chart indicate the center of gravity.  
\*Operation life is 10,000km when the product is using under the specified conditions.

### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	200	220	HG-KR23	MR-J4-20A
Panasonic	P	No Brake (Horizontal Type)	200	220	MSMD022G1U	MADHT1507
Delta	T	No Brake (Horizontal Type)	200	220	ECMA-C20602ES	ASD-B20221-B

1 axis  
DET8  
DET12  
DET12B  
DET14  
DET17  
DET22

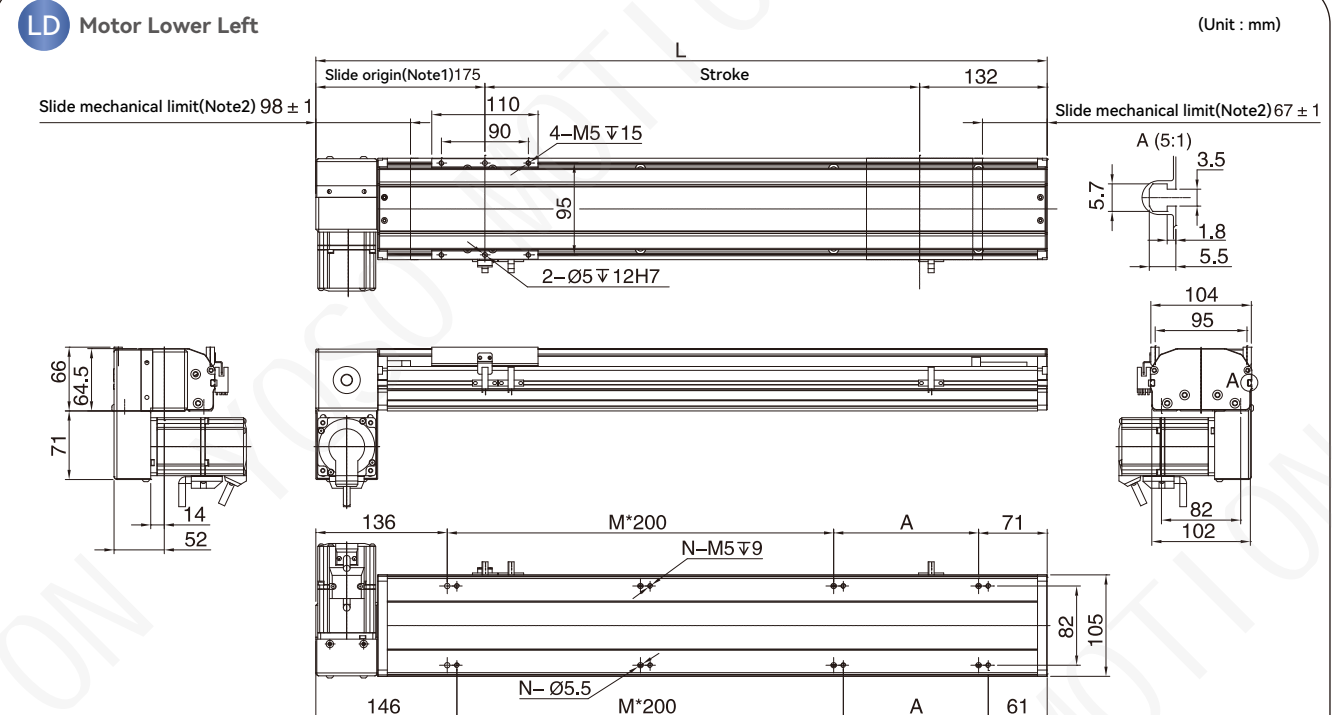
**L** Motor Left Side



(Unit : mm)

Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	22	
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

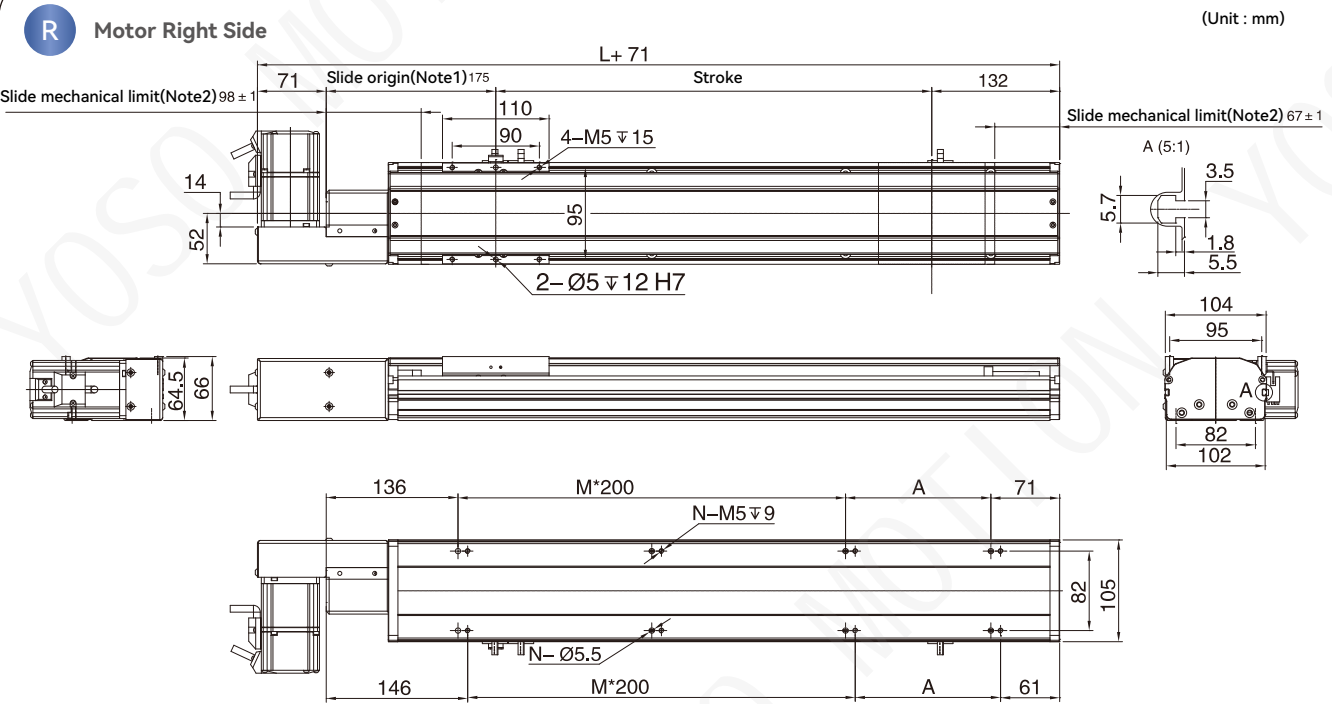
**LD** Motor Lower Left



(Unit : mm)

Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	22	
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

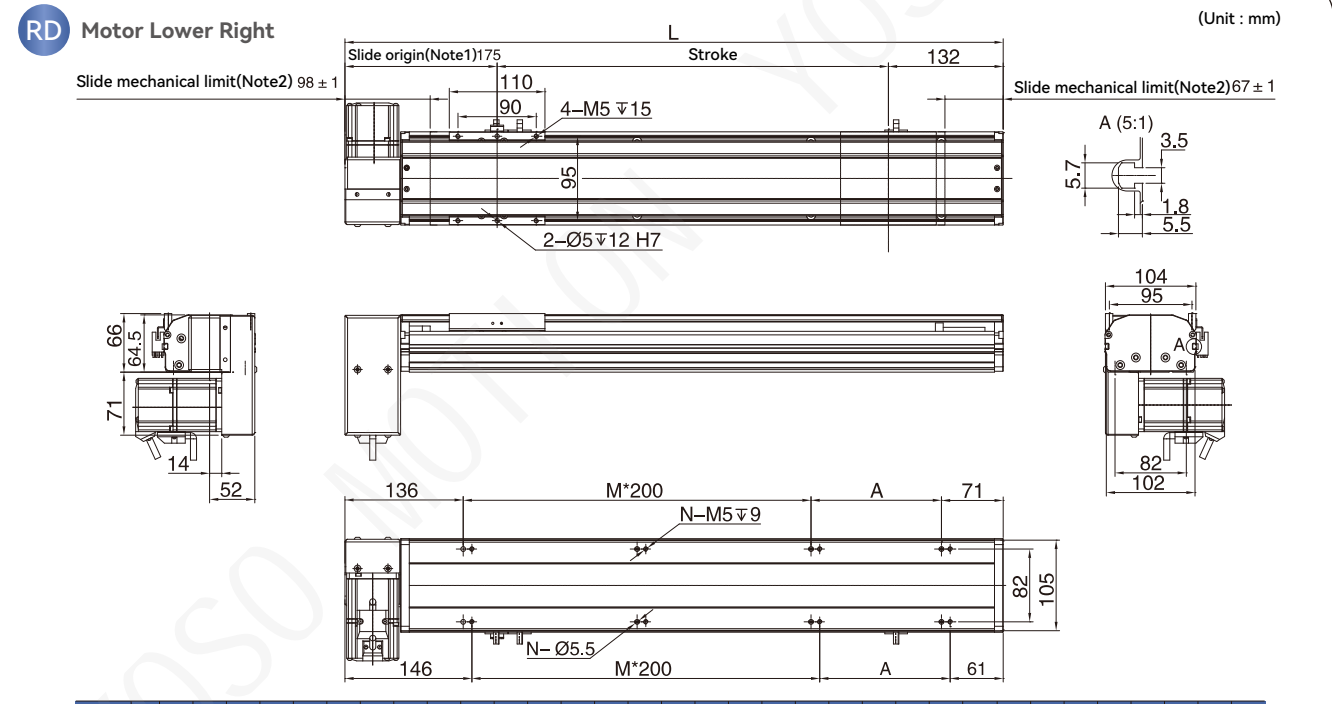
**R** Motor Right Side



(Unit : mm)

Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	22	
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

**RD** Motor Lower Right

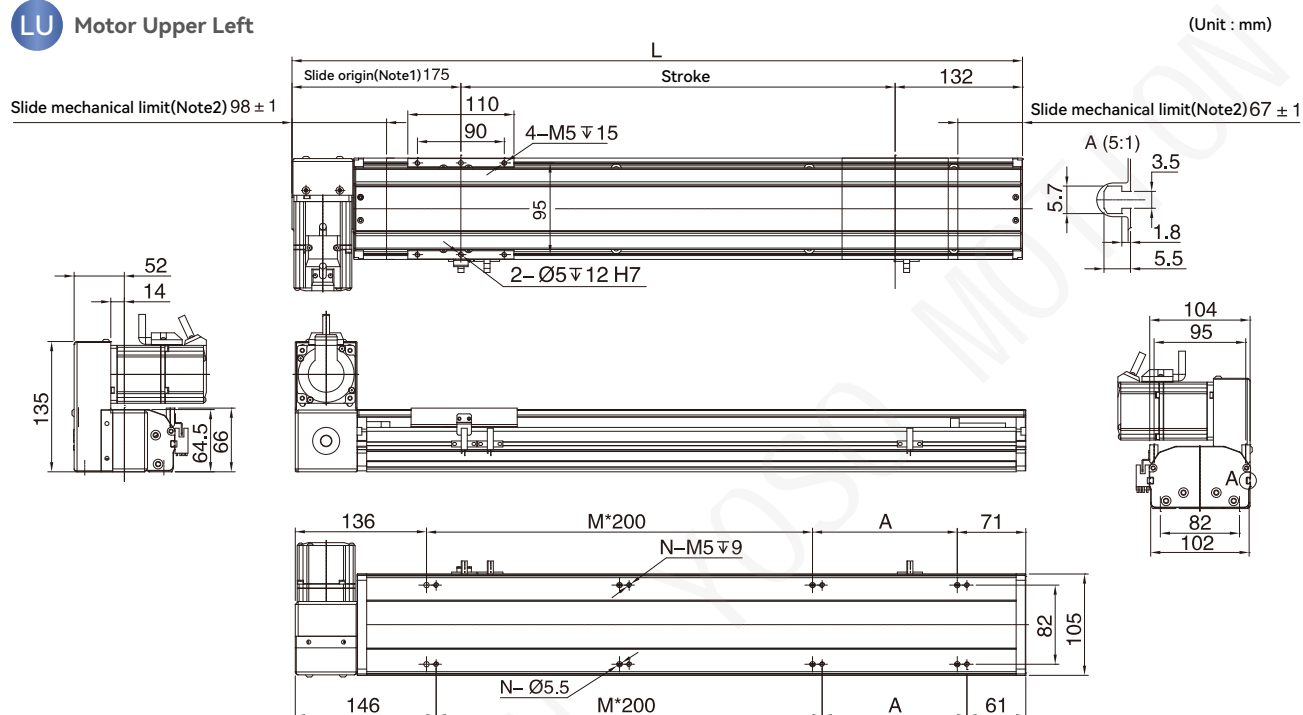


(Unit : mm)

Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	22	
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

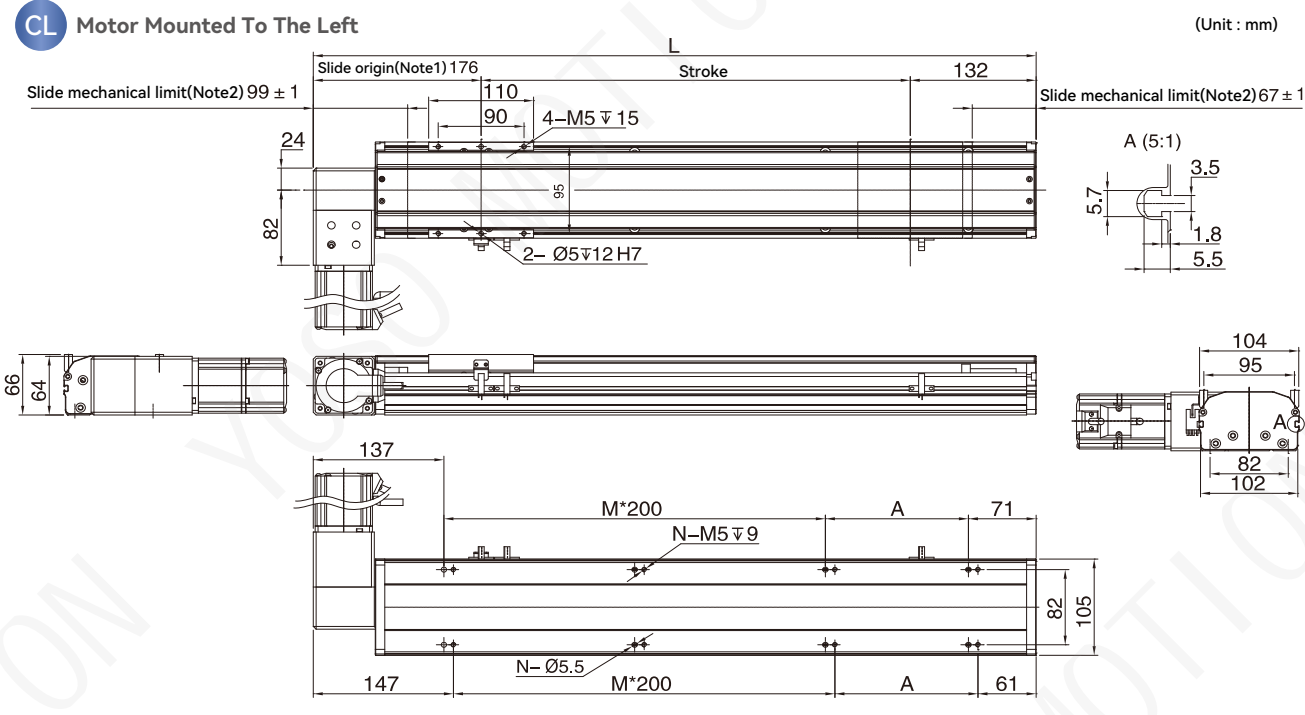
- 1 axis
- DET8
- DET8B
- DET12
- DET12B
- DET14
- DET17
- DET22

## LU Motor Upper Left



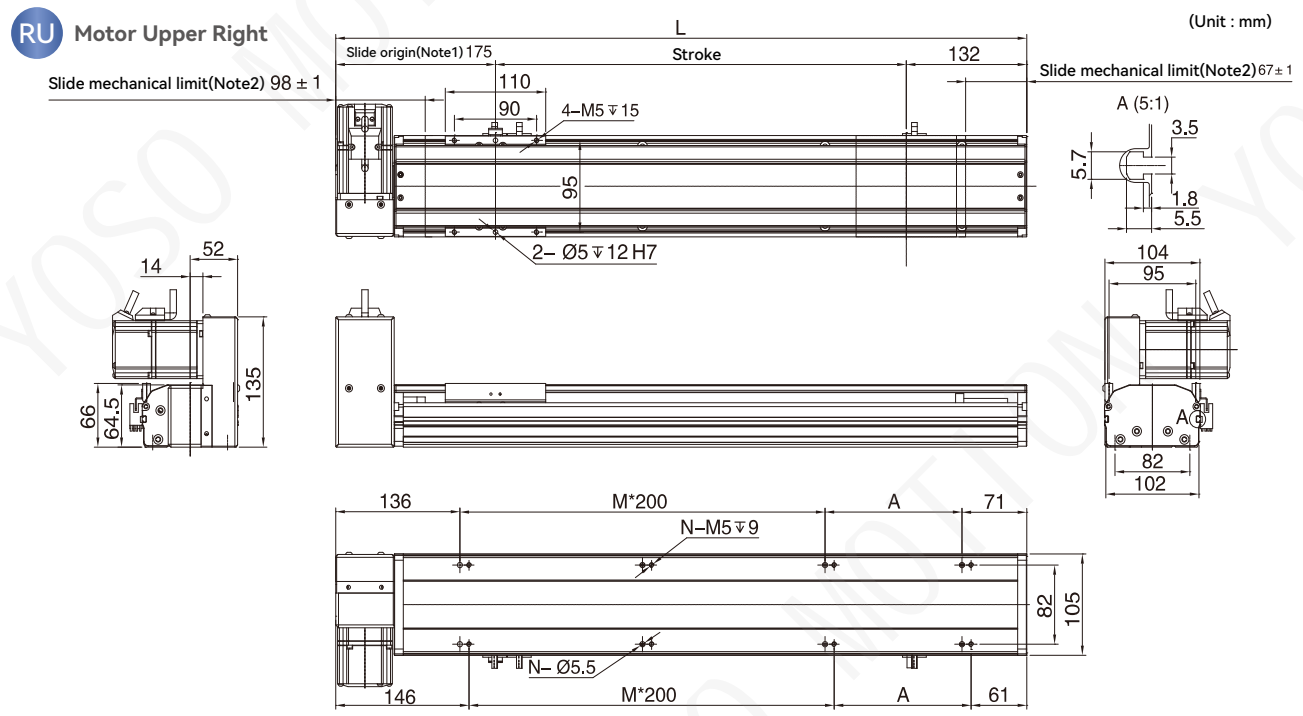
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

## CL Motor Mounted To The Left



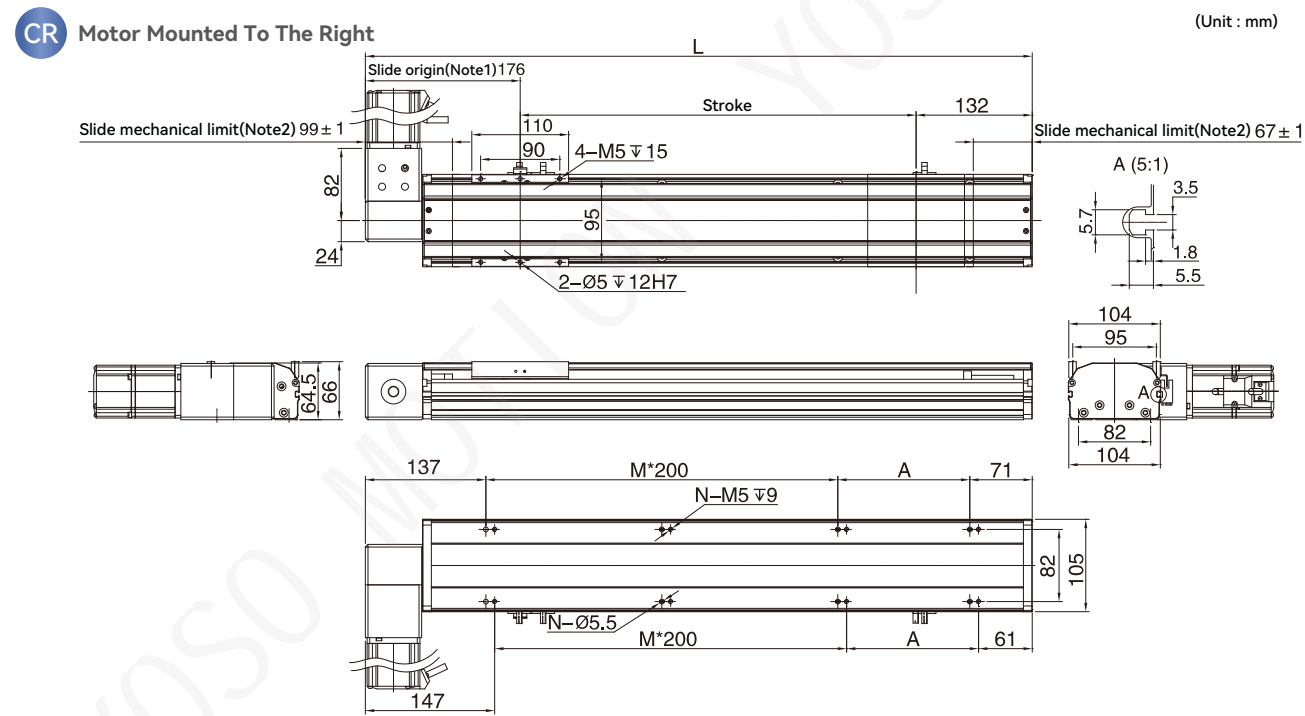
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

## RU Motor Upper Right



Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

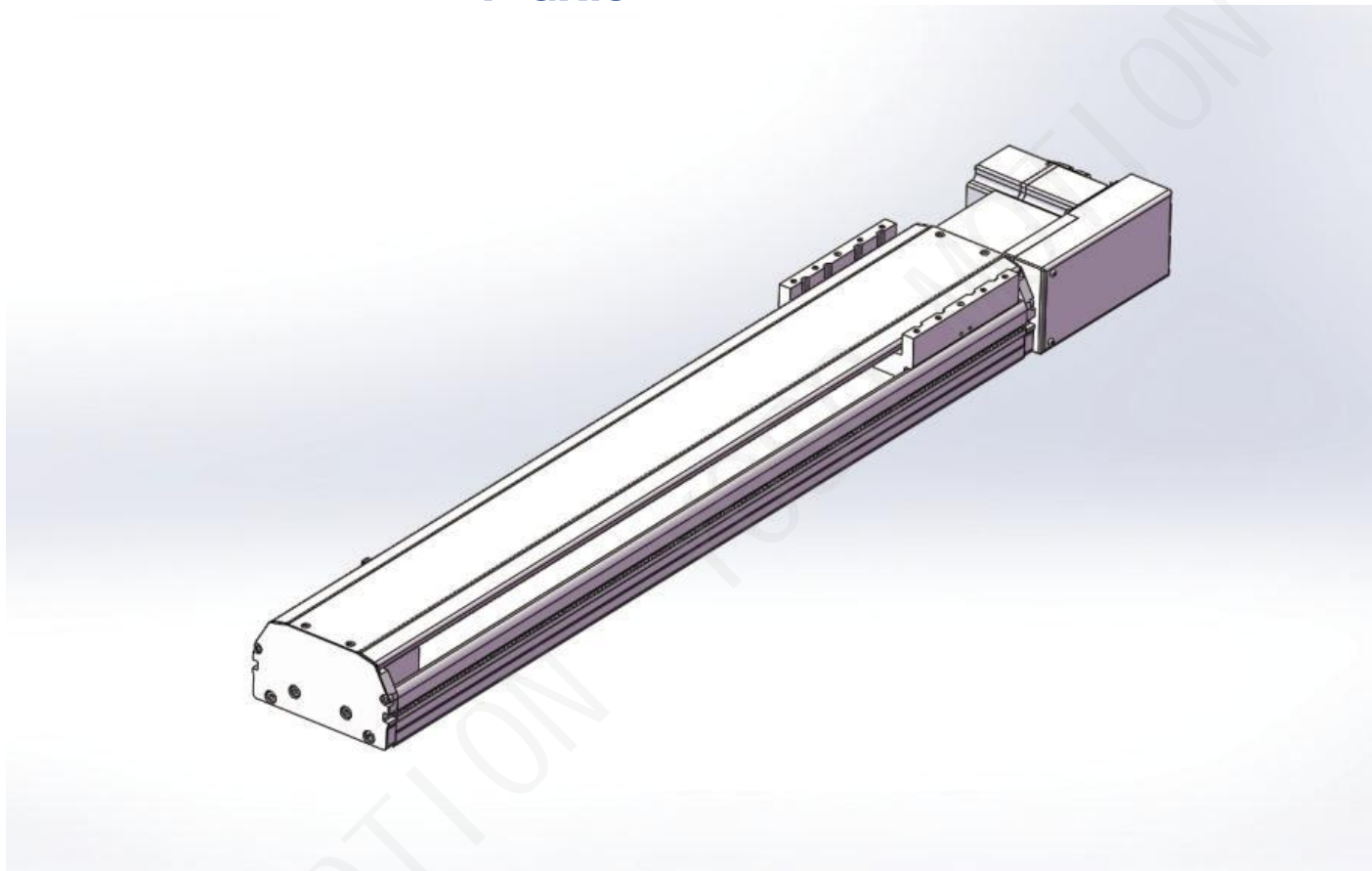
## CR Motor Mounted To The Right



Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22
KG	6.8	7.23	7.65	8.07	8.5	8.92	9.34	9.76	10.19	10.61	11.03	11.46	11.88	12.3	12.73	13.15	13.57	13.99	14.42	14.84	15.26	15.68	16.1	16.52	16.94	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72

1 axis  
DET8  
DET8B  
DET812  
DET812B  
DET814  
DET817  
DET822

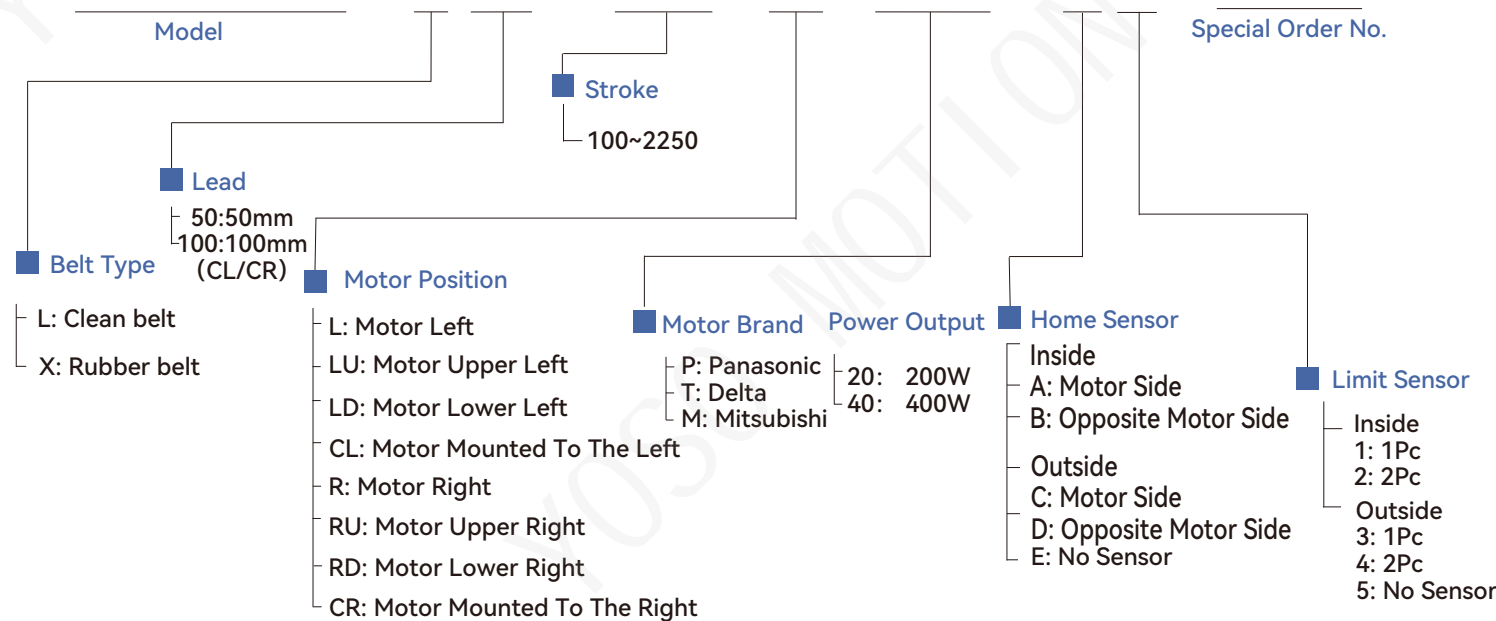
# DETB12B 1-axis



Maximum Stroke **2250mm**    Maximum Speed **5000mm/s**    Motor Output **400W**    Belt Width **25mm**    Linear Guide **15x12.5-2**

### Ordering Method

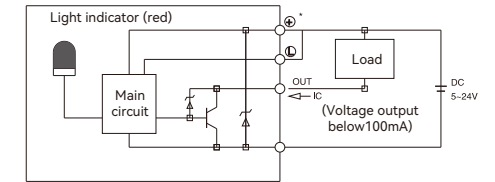
**DETB12B - L 50 - 100 - L - P40 - C 4 - 0001**



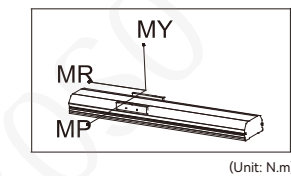
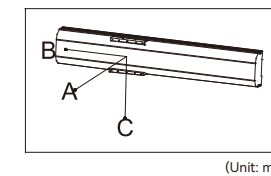
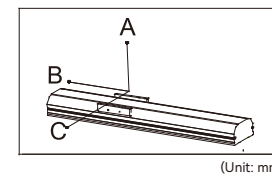
### Specification

Performance	Repeatability (mm)		±0.04	
	Lead (mm)		50	100
	Maximum Speed (mm/s)		2500	5000
	Maximum Payload	Horizontal(kg)	34	17
		Vertical(kg)		
	Rated Thrust (N)		165	85
Stroke Pitch (mm)		100-2250mm/50pitch		
Components	AC Servo Motor Output (w)		400W	
	Belt Width (mm)		25	
	High Rigidity Linear Guide(mm)		15x12.5	
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	10kg	1685	655		493	10kg	493
25kg	770	351	274	25kg	274	351	770
34kg	475	245	152	34kg	152	245	475

### Static Loading Moment

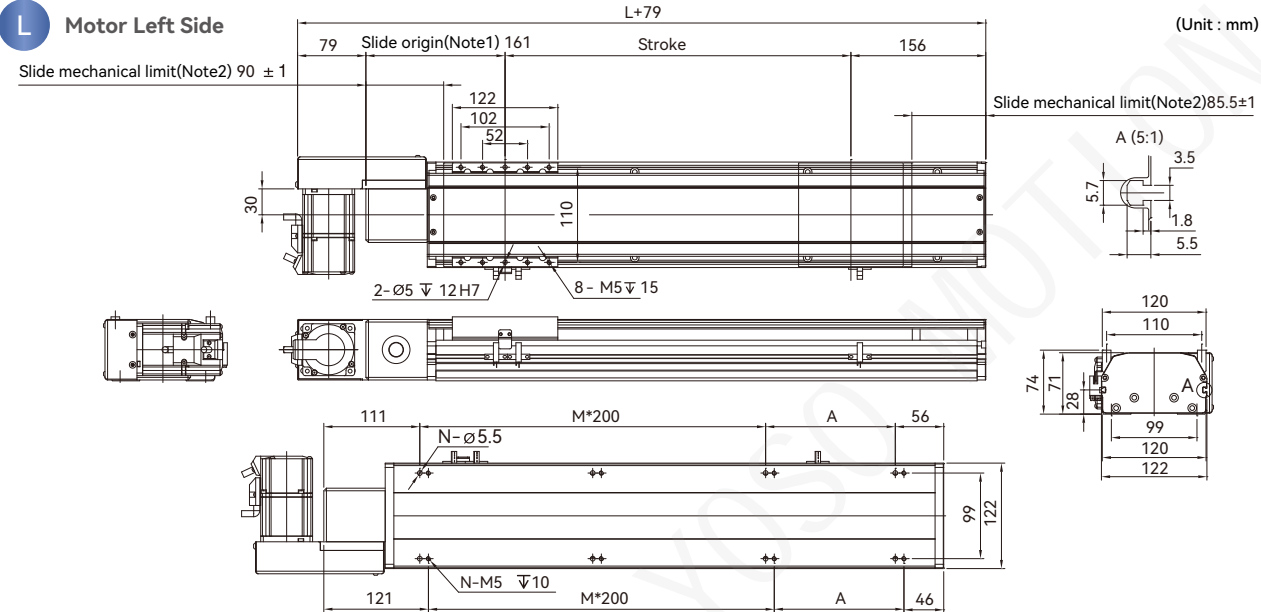
MY	551
MP	509
MR	485

### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B

1 axis  
DET8  
DET12  
DET12B  
DET14  
DET17  
DET22

**L Motor Left Side**

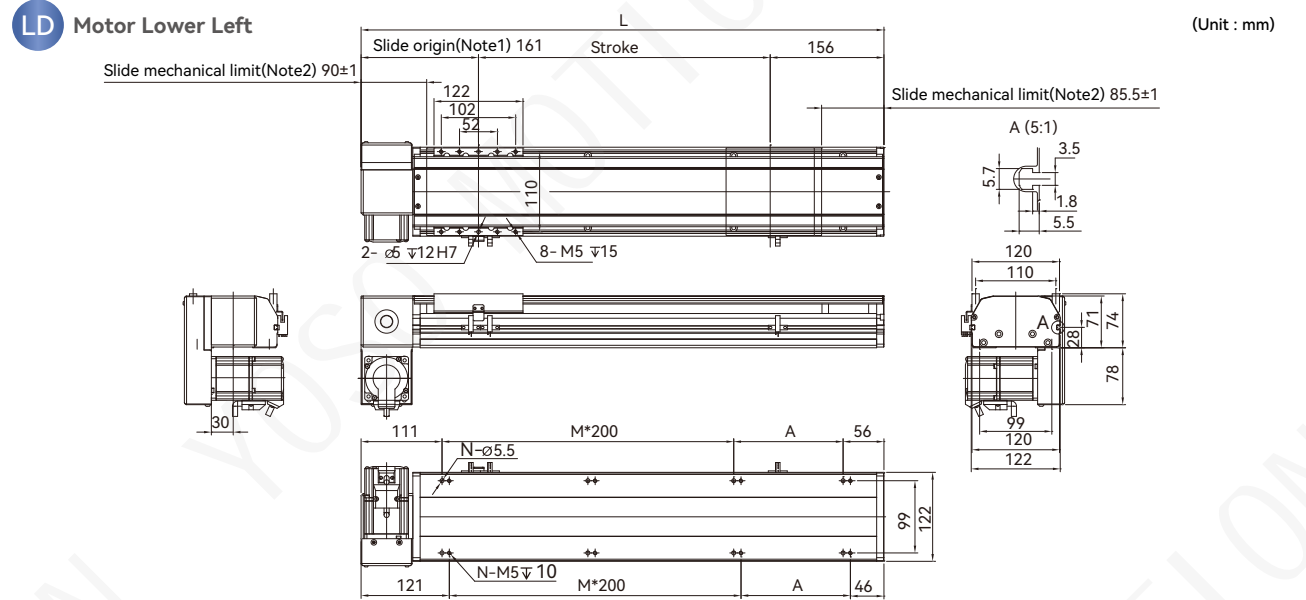


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

**LD Motor Lower Left**

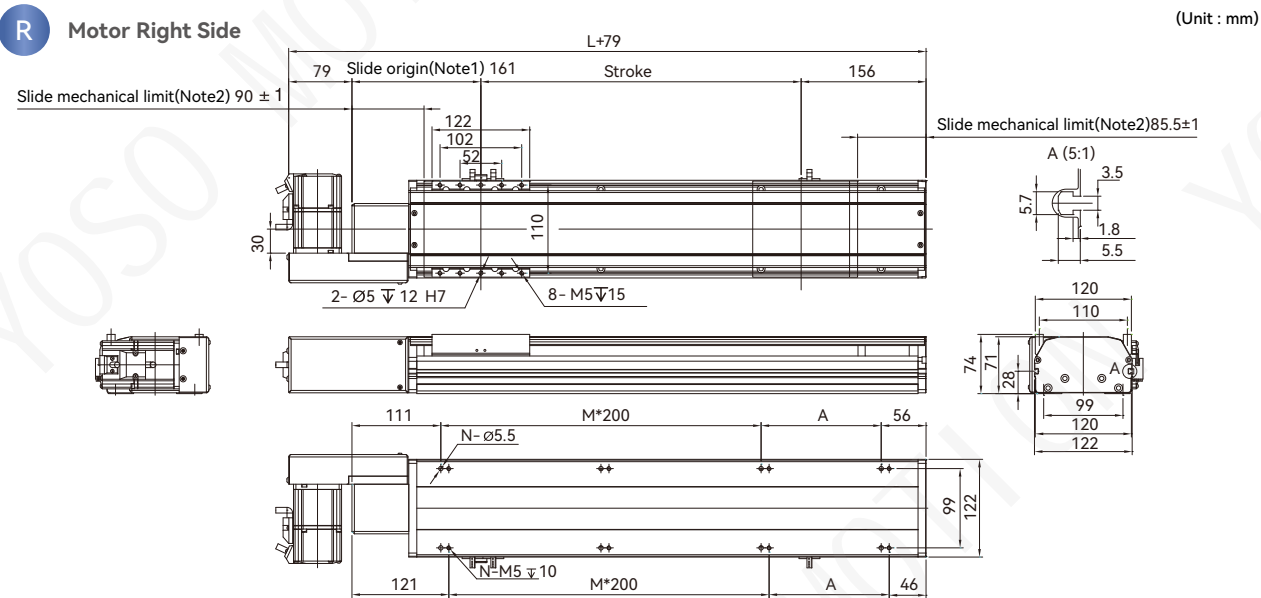


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

**R Motor Right Side**

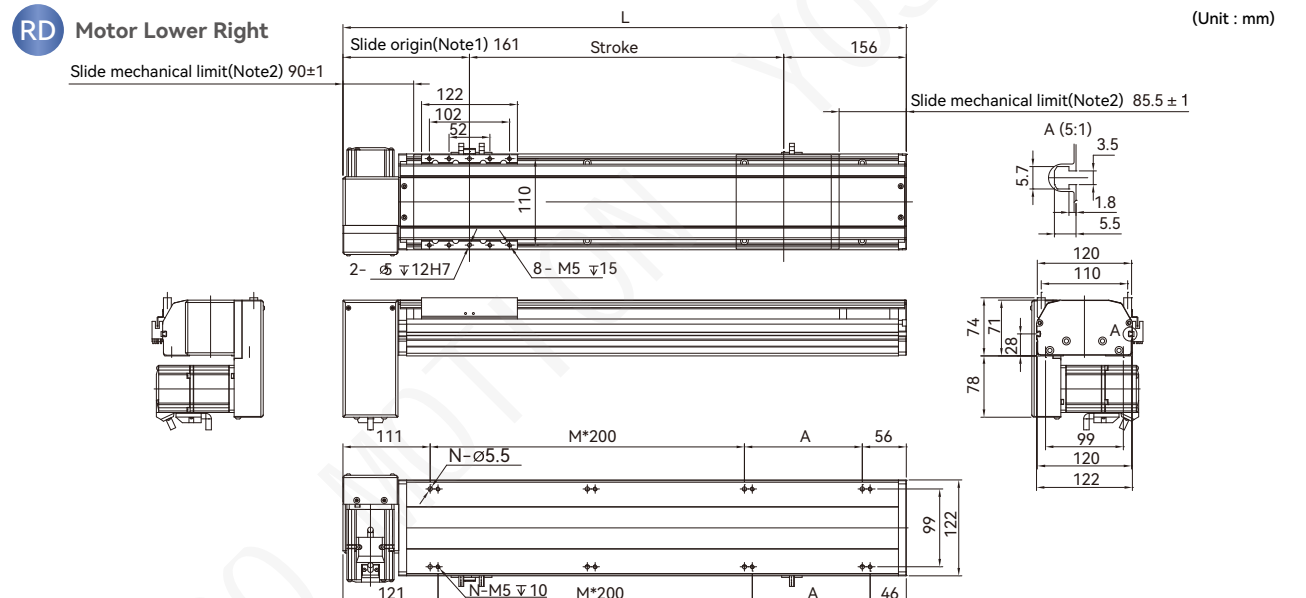


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

**RD Motor Lower Right**



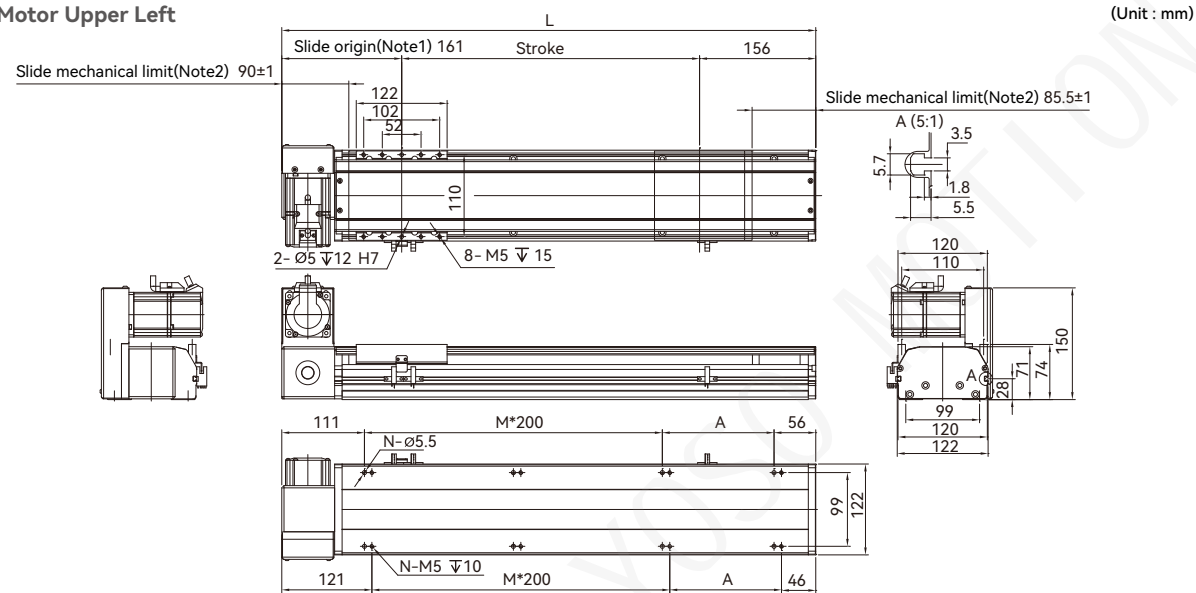
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

1 axis  
DET8  
DET12  
DET12B  
DET14  
DET17  
DET22

## LU Motor Upper Left

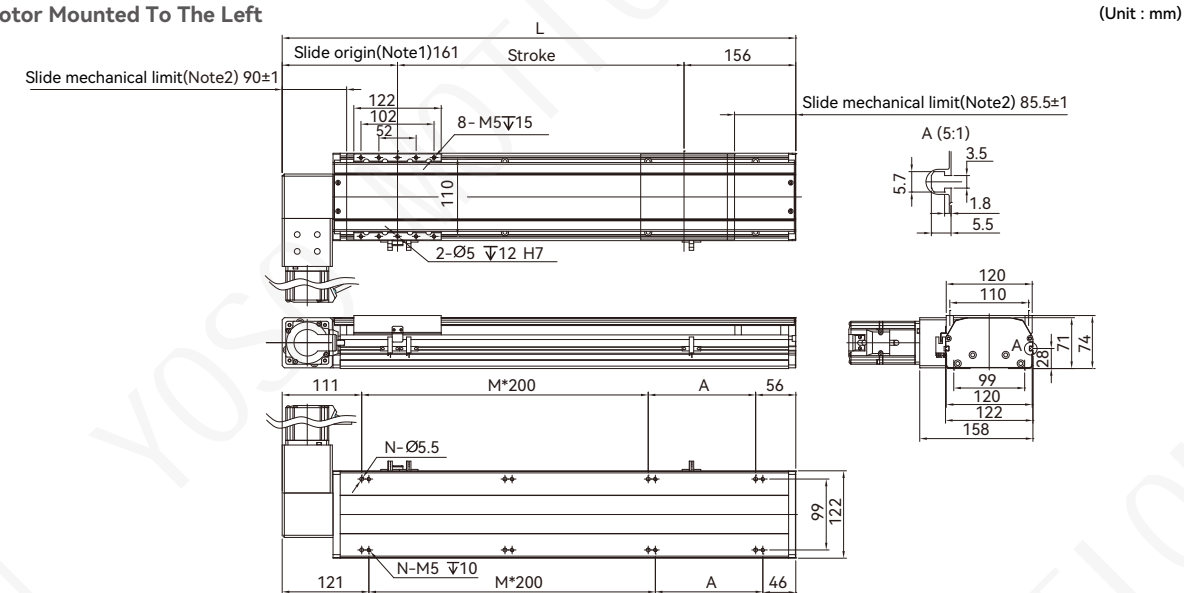


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

## CL Motor Mounted To The Left

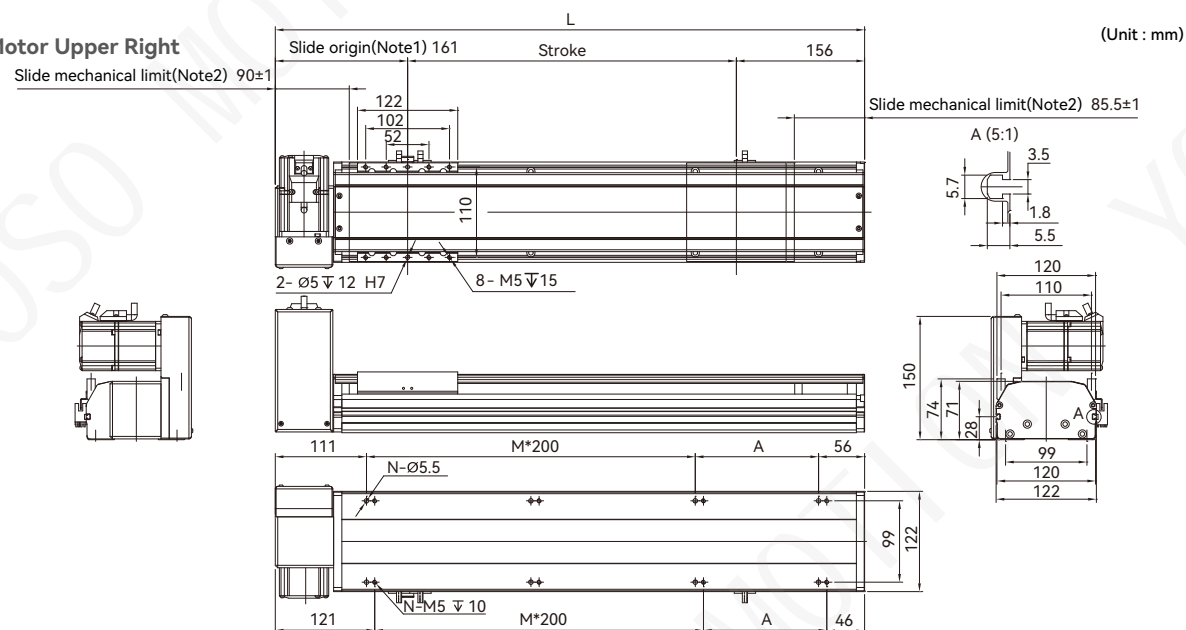


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

## RU Motor Upper Right

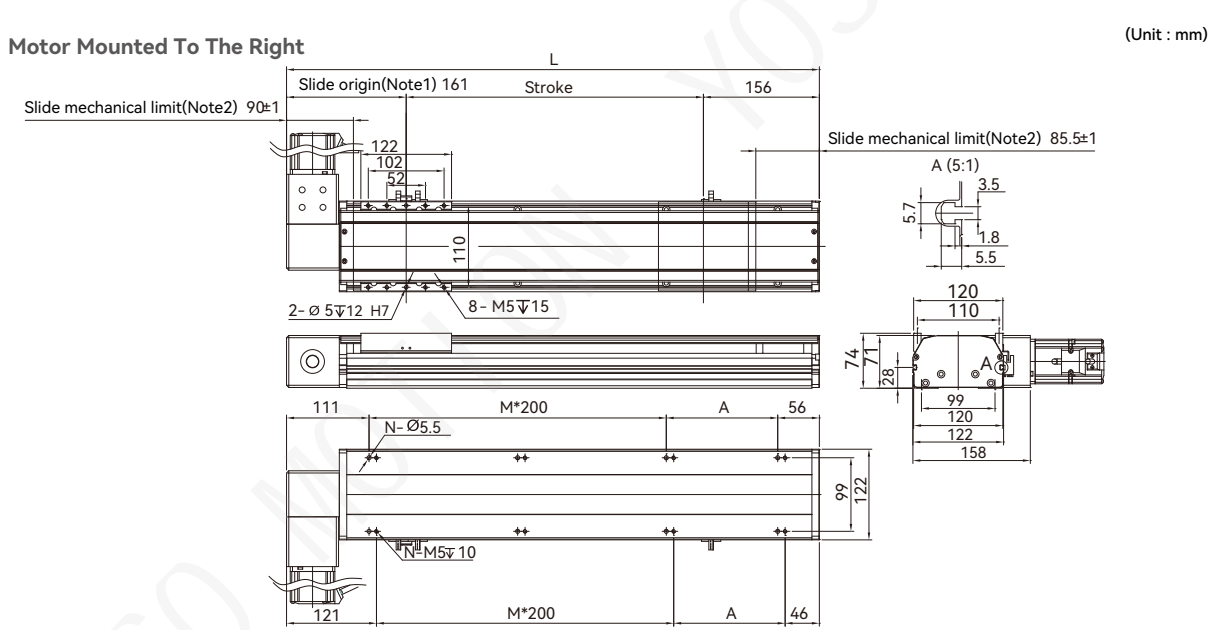


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

## CR Motor Mounted To The Right



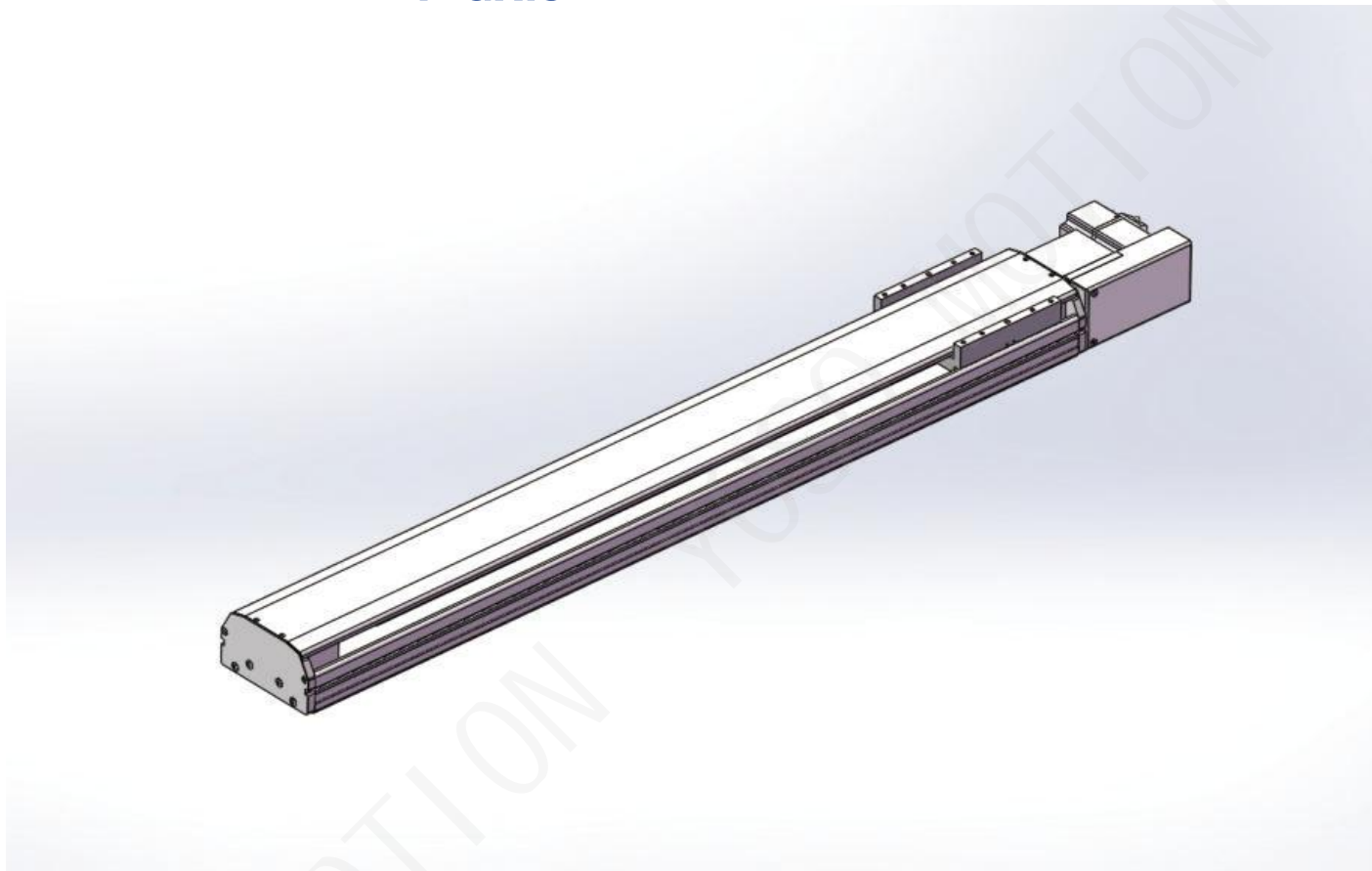
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	6.5	7	7.5	8	8.5	9	9.5	10	10.5	11	11.5	12	12.5	13	13.5	14	14.5	15	15.5	16	16.5	17

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367	2417	2467	2517	2567
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	10	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	17.5	18	18.5	19	19.5	20	20.5	21	21.5	22	22.5	23	23.5	24	24.5	25	25.5	26	26.5	27	27.5	28

1 axis  
DET B  
DET B8  
DET B12  
DET B12B  
DET B14  
DET B17  
DET B22

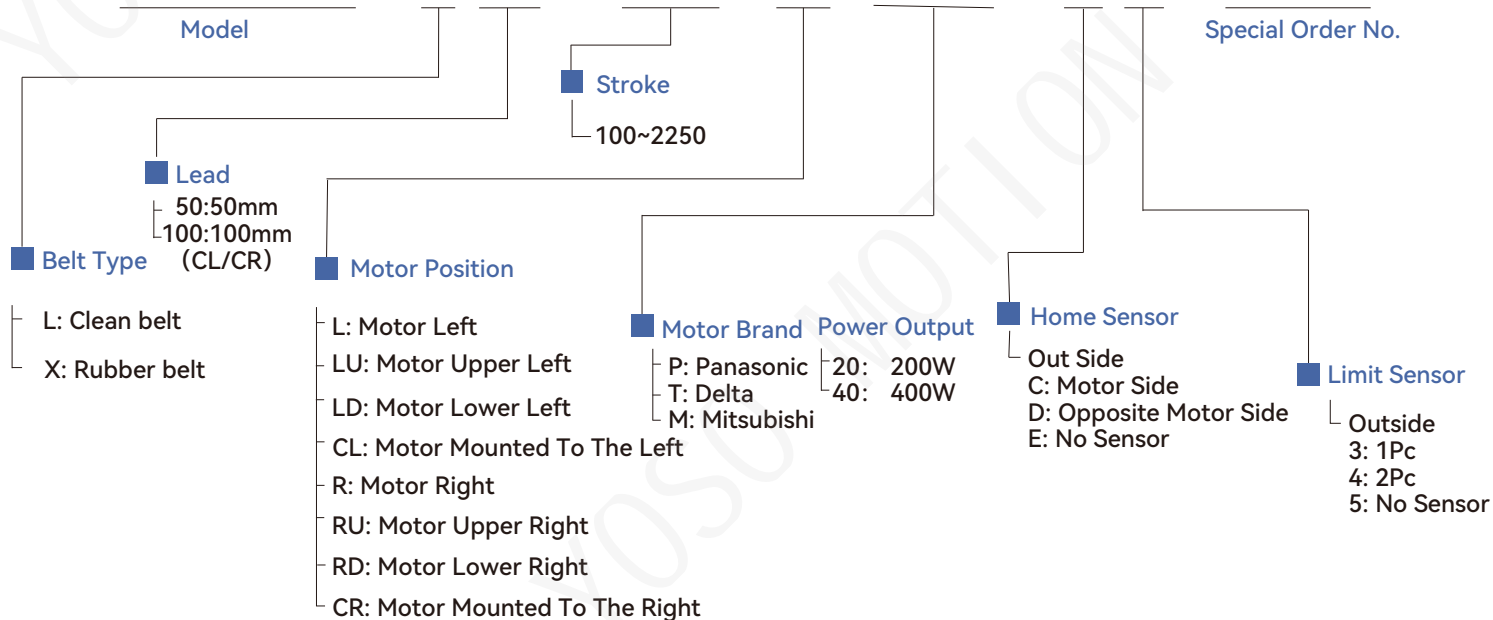
# DETB14 1-axis



Maximum Stroke **2250mm**    Maximum Speed **5000mm/s**    Motor Output **400W**    Belt Width **25mm**    Linear Guide **15x12.5-2**

### Ordering Method

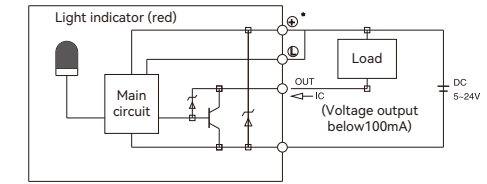
**DETB14 - L 50 - 100 - L - P40 - C 4 - 0001**



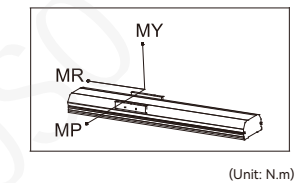
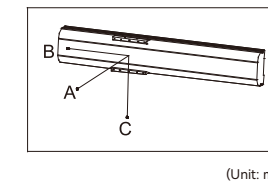
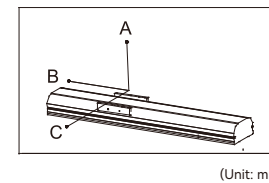
### Specification

Performance	Repeatability (mm)		±0.04	
	Lead (mm)		50	100
	Maximum Speed (mm/s)		2500	5000
	Maximum Payload	Horizontal(kg)	40	20
		Vertical(kg)		
	Rated Thrust (N)			
Stroke Pitch (mm)		100~2250mm/50pitch		
Components	AC Servo Motor Output (W)		400W	
	Belt Width (mm)		25	
	High Rigidity Linear Guide(mm)		15x12.5	
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	10kg	1685	655		535	10kg	535
25kg	770	351	297	25kg	297	351	770
40kg	475	245	165	40kg	165	245	475

### Static Loading Moment

MY	551
MP	552
MR	485

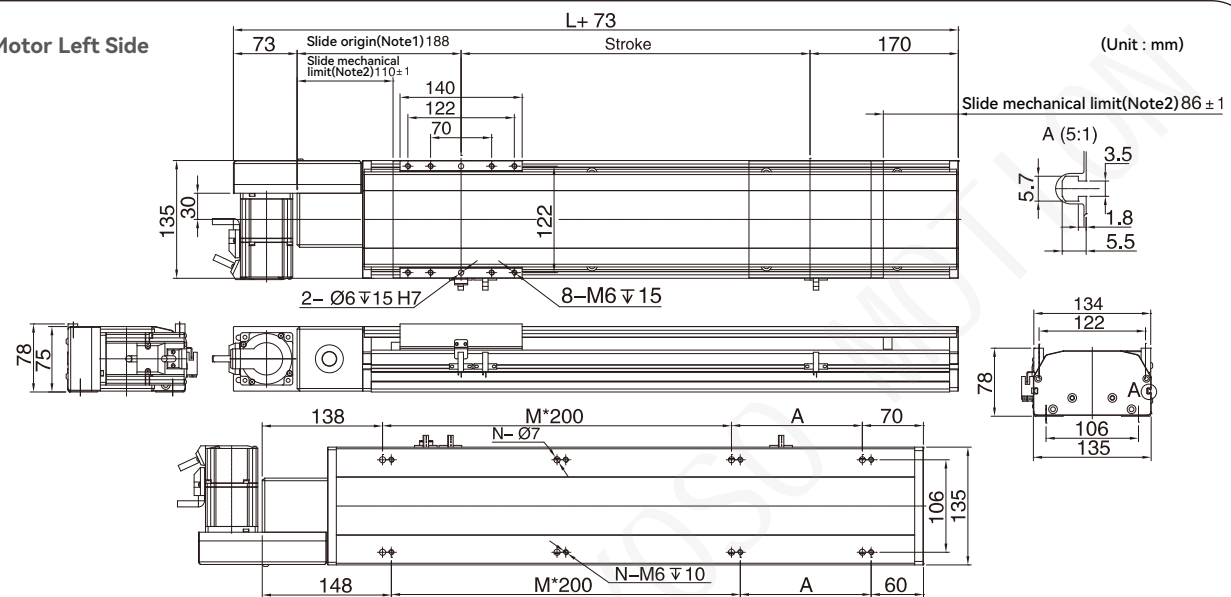
\*The torque value in the chart indicate the center of gravity.  
\*Operation life is 10,000km when the product is using under the specified conditions.

### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B

1 axis  
DET8  
DET8B  
DET12  
DET12B  
DET14  
DET17  
DET22

**L Motor Left Side**

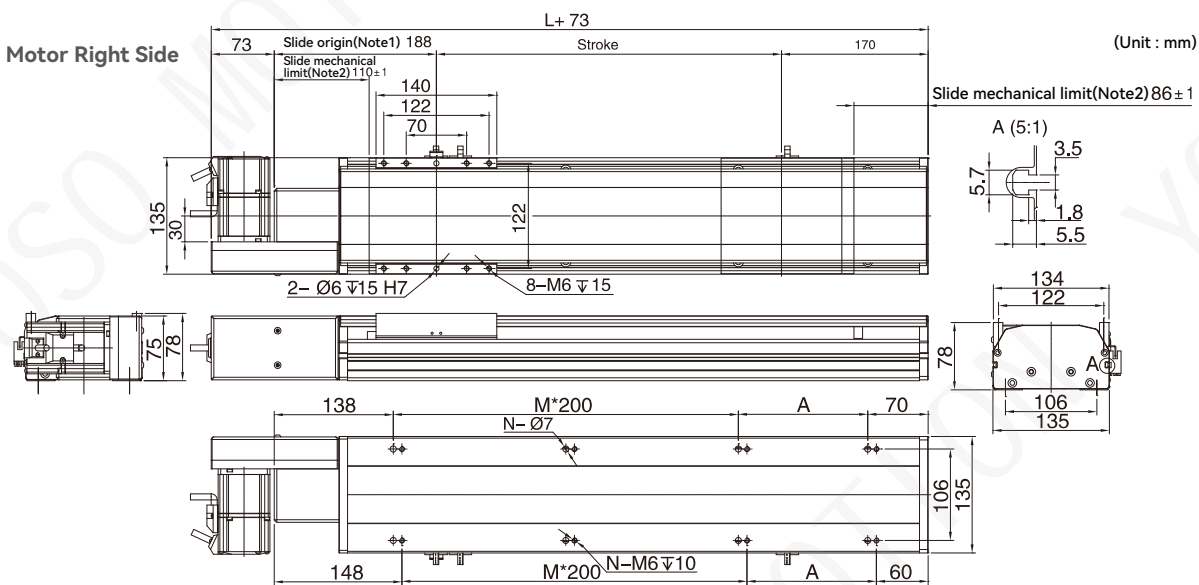


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

**R Motor Right Side**

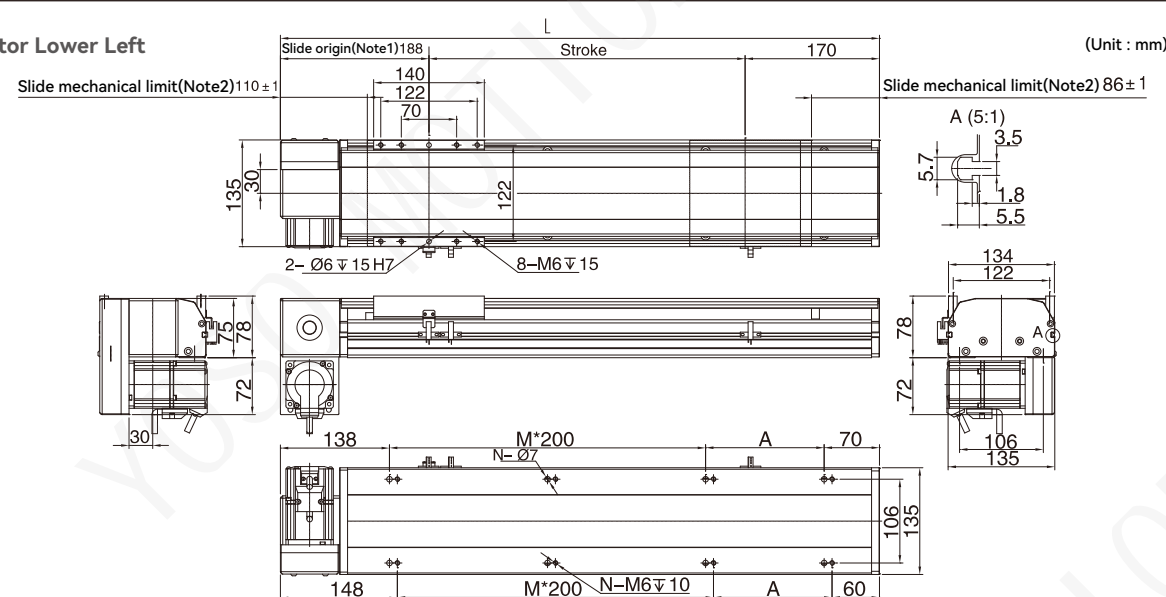


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

**LD Motor Lower Left**

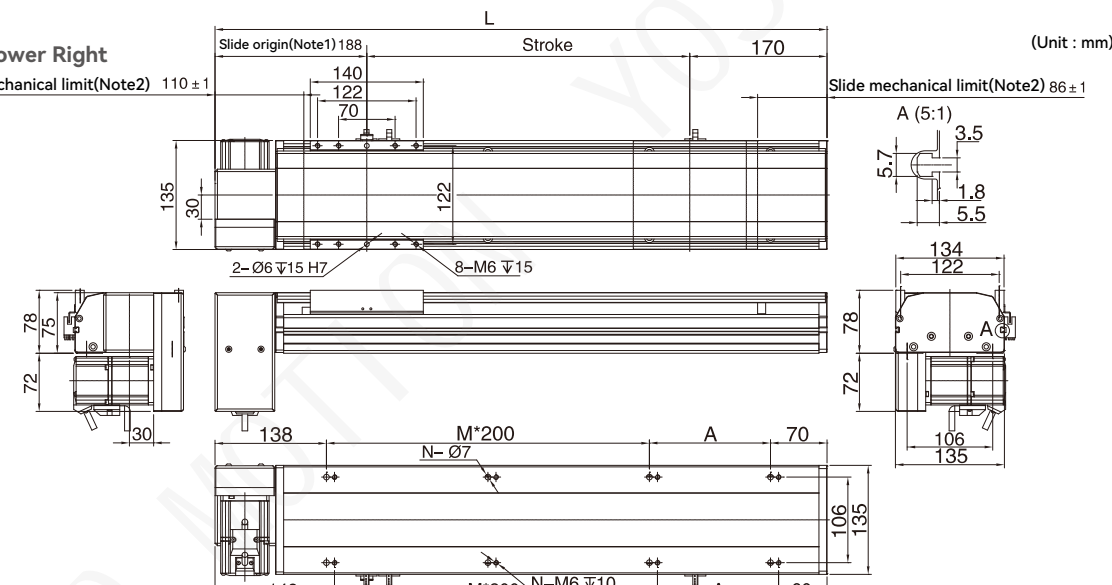


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

**RD Motor Lower Right**

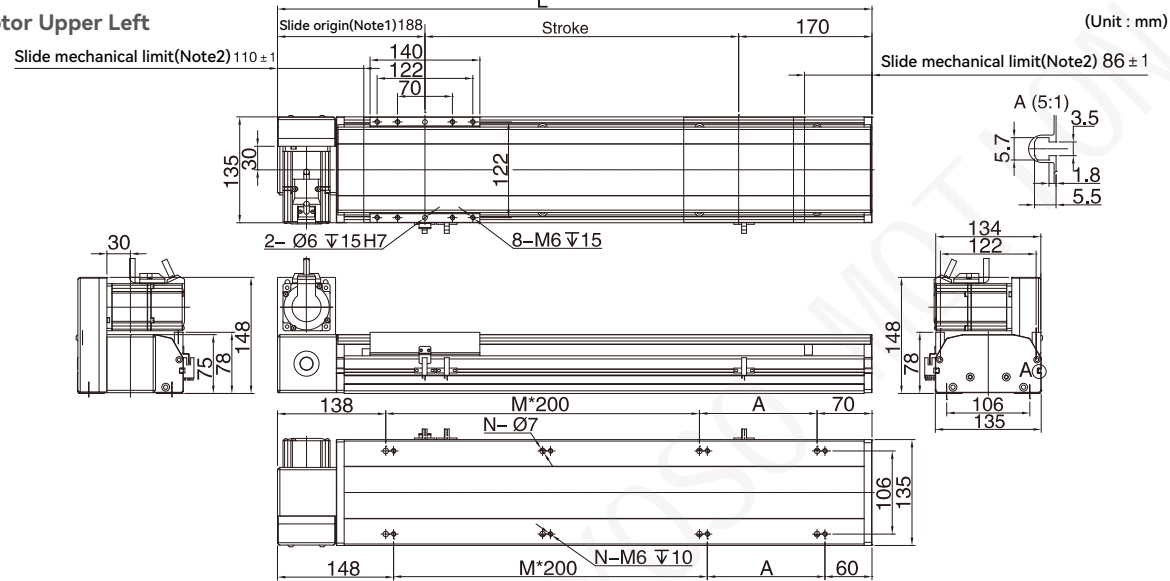


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

## LU Motor Upper Left

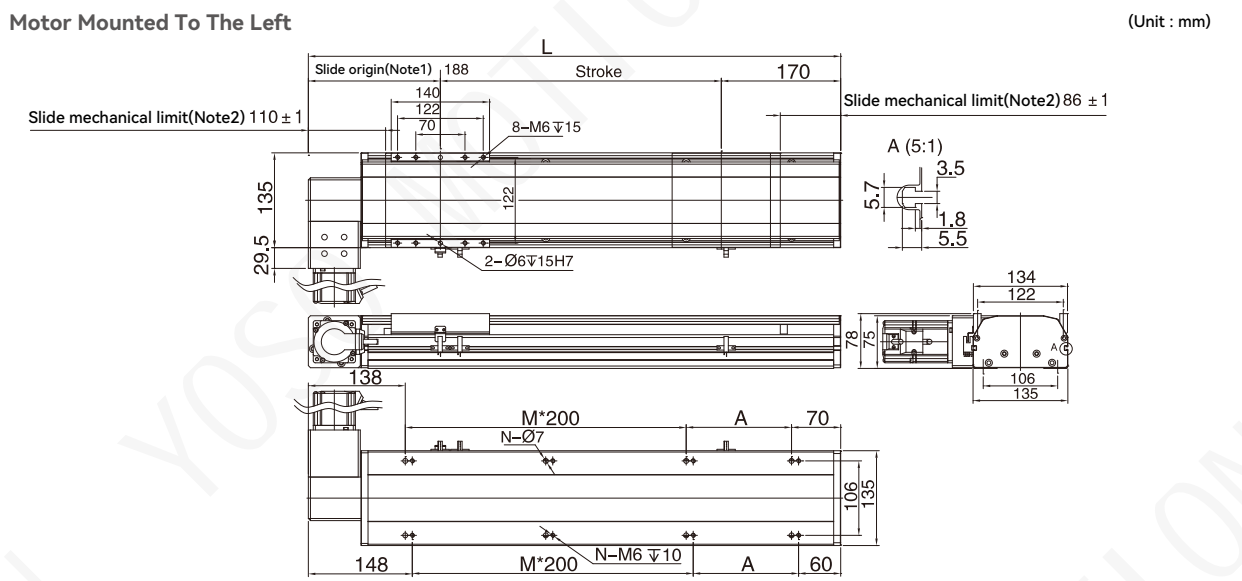


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

## CL Motor Mounted To The Left

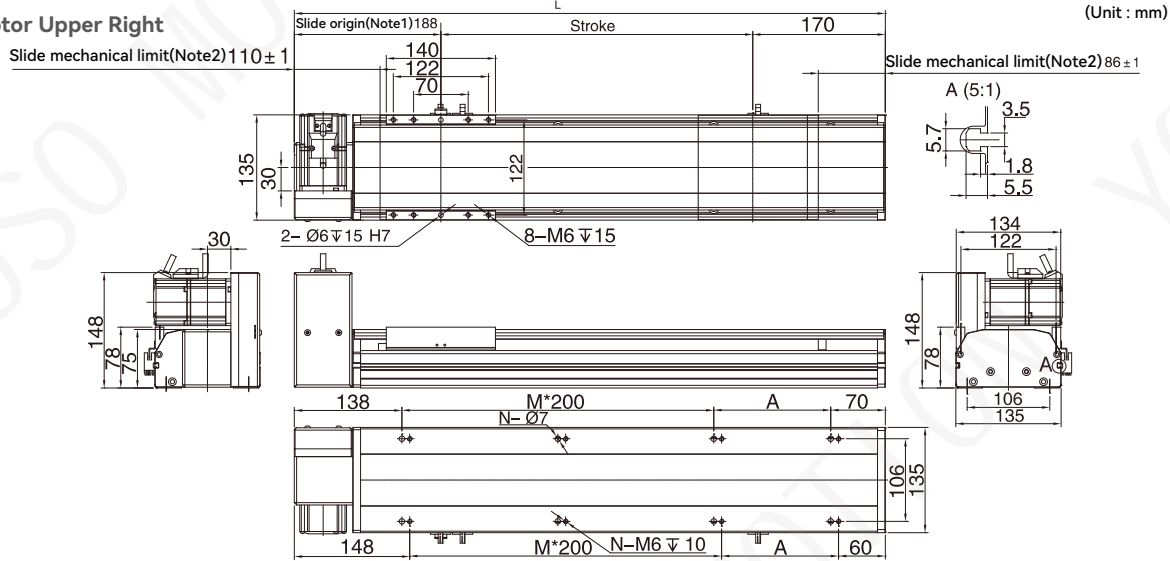


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

## RU Motor Upper Right

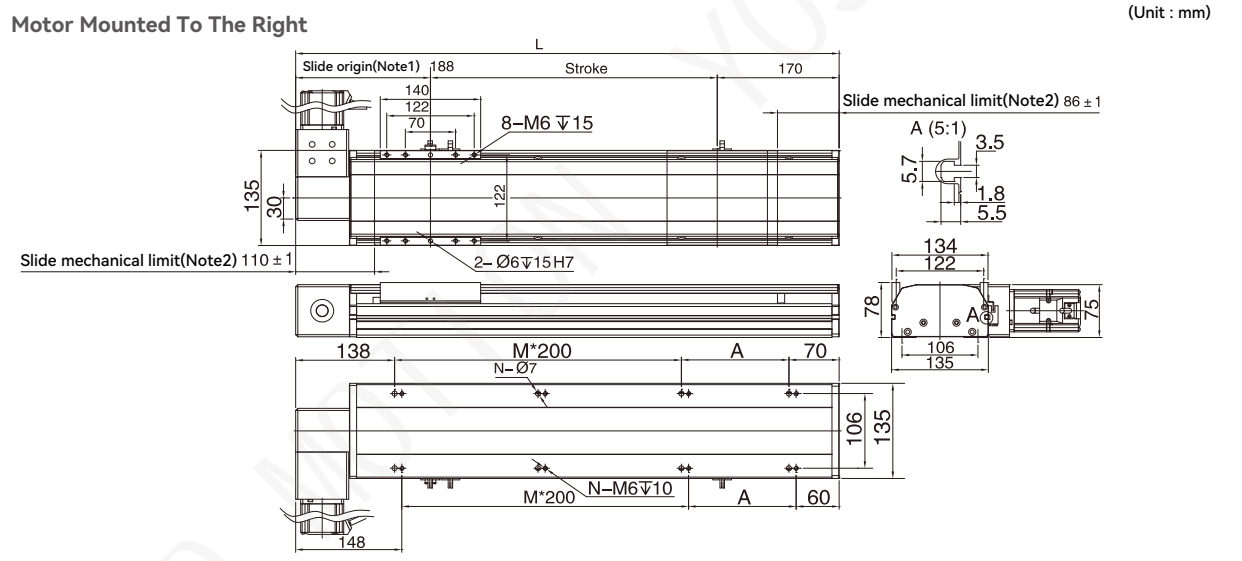


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

## CR Motor Mounted To The Right



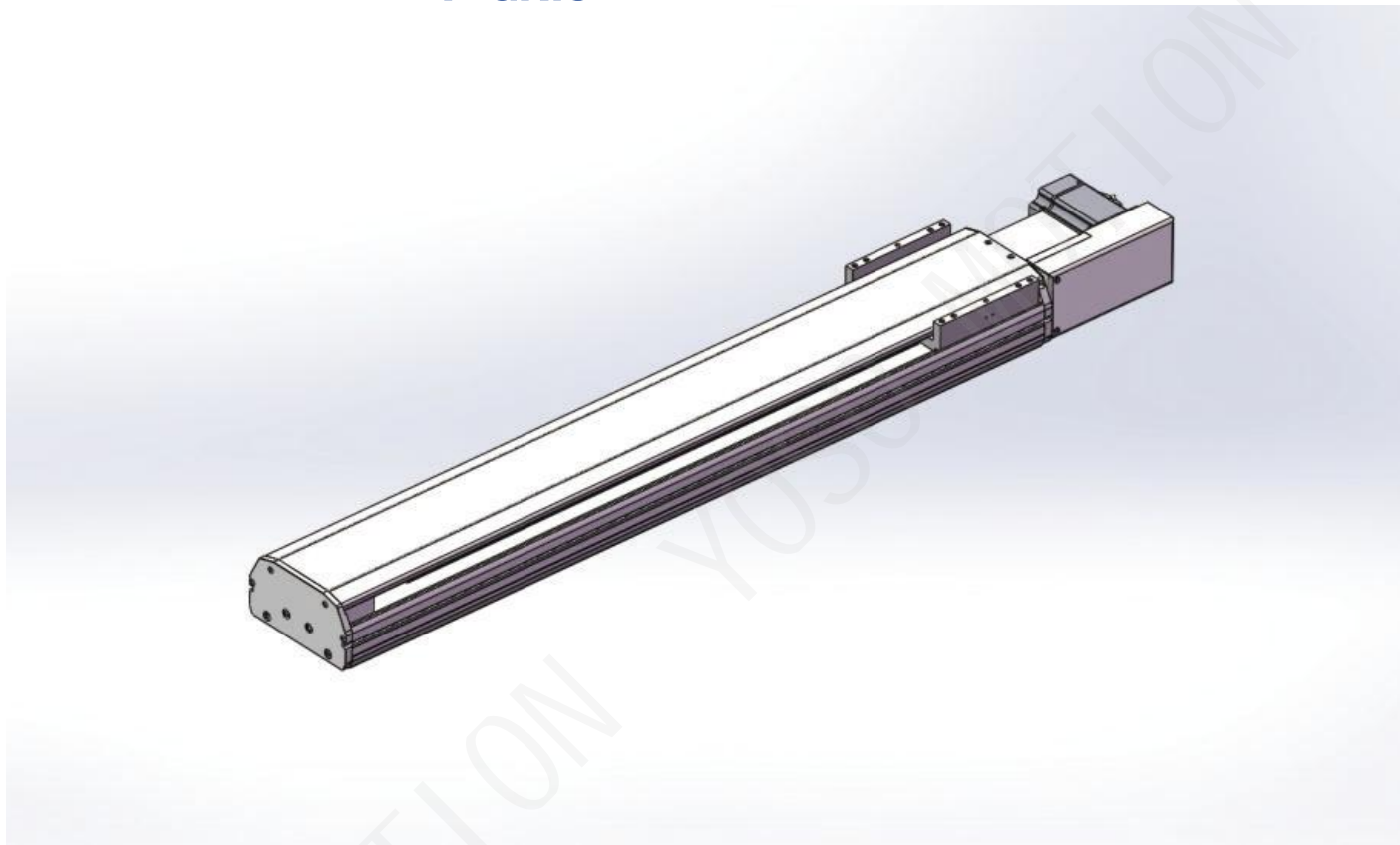
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150
L	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508
A	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16
KG	8.6	9	9.5	10	10.5	11	11.4	12	12.4	13	13.4	13.9	14.4	14.9	15.4	15.9	16.4	16.9	17.3	17.9	18.5	19.1

Stroke	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250
L	1558	1608	1658	1708	1758	1808	1858	1908	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608
A	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200
M	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3

1 axis  
DET8  
DET8B  
DET12  
DET12B  
DET14  
DET17  
DET22

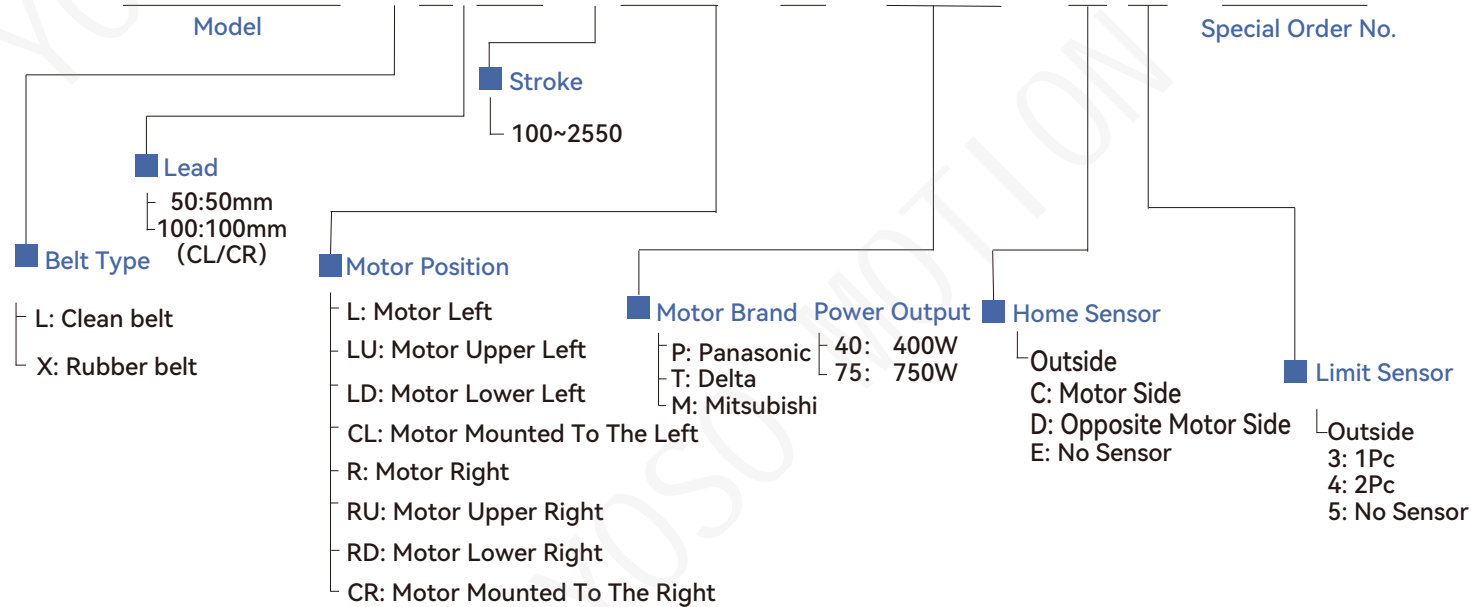
# DETB17 1-axis



Maximum Stroke **2500mm**    Maximum Speed **5000mm/s**    Motor Output **750W**    Belt Width **40mm**    Linear Guide **20x15.5-2**

### Ordering Method

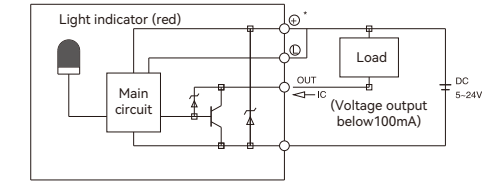
**DETB17 - L 50 - 100 - L - P75 - C 4 - 0001**



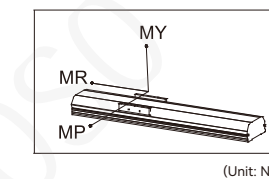
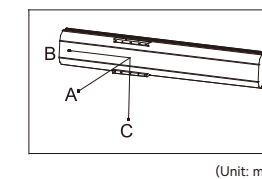
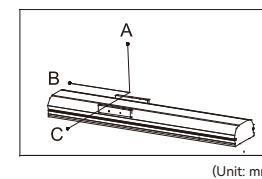
### Specification

Performance	Repeatability (mm)		±0.04	
	Lead (mm)		50	100
	Maximum Speed (mm/s)		2500	5000
	Maximum Payload	Horizontal(kg)	60	30
		Vertical(kg)		
	Rated Thrust (N)		285	145
Stroke Pitch (mm)		100-2550mm/50pitch		
Components	AC Servo Motor Output (w)		750W	
	Belt Width (mm)		40	
	High Rigidity Linear Guide(mm)		20x15.5	
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	10kg	2850	1050		985	10kg	985
25kg	1215	485	425	25kg	425	485	1215
40kg	675	275	245	40kg	245	275	675
60kg	450	135	125	60kg	125	135	450

### Static Loading Moment

MY	1032
MP	1034
MR	908

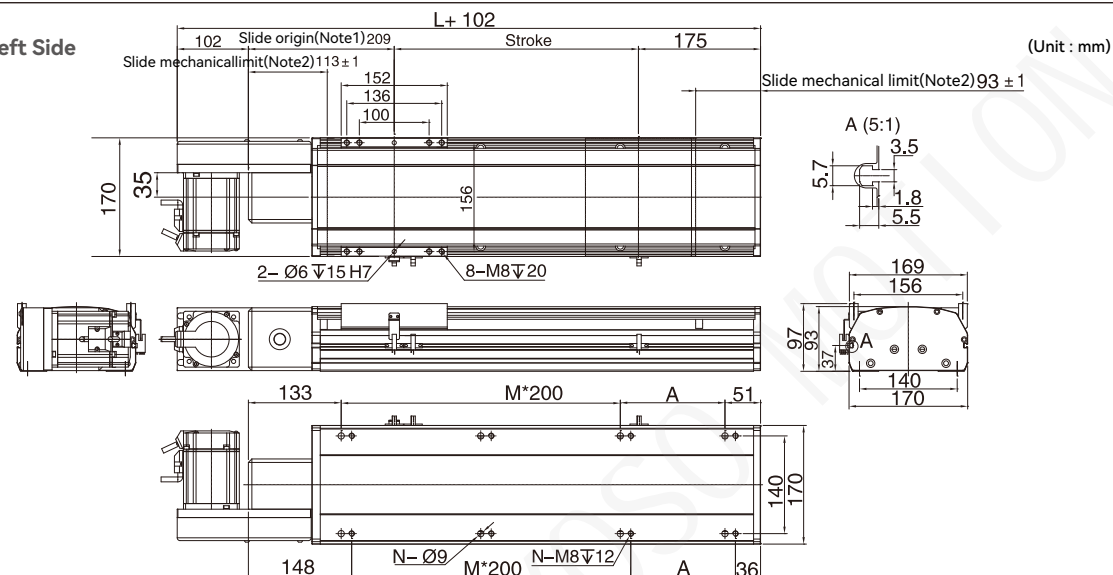
\*The torque value in the chart indicate the center of gravity.  
 \*Operation life is 10,000km when the product is using under the specified conditions.

### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B

- 1 axis
- DET8
- DET12
- DET12B
- DET14
- DET17
- DET22

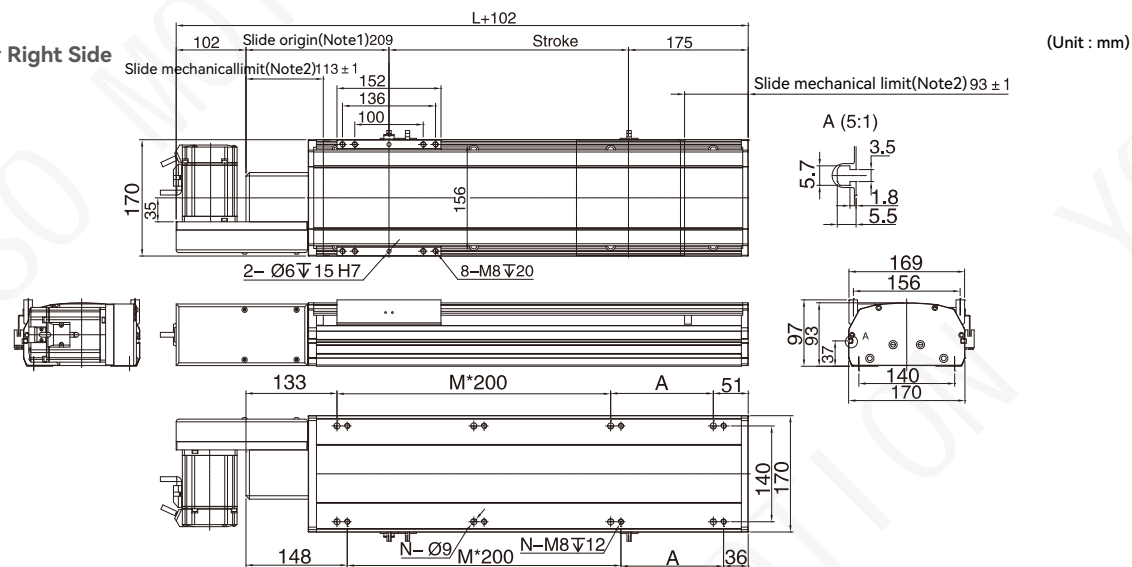
## L Motor Left Side



Stroke	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
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	6	6	6	6	6	6	6	7	7
N	6	6	6	8	8	8	8	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

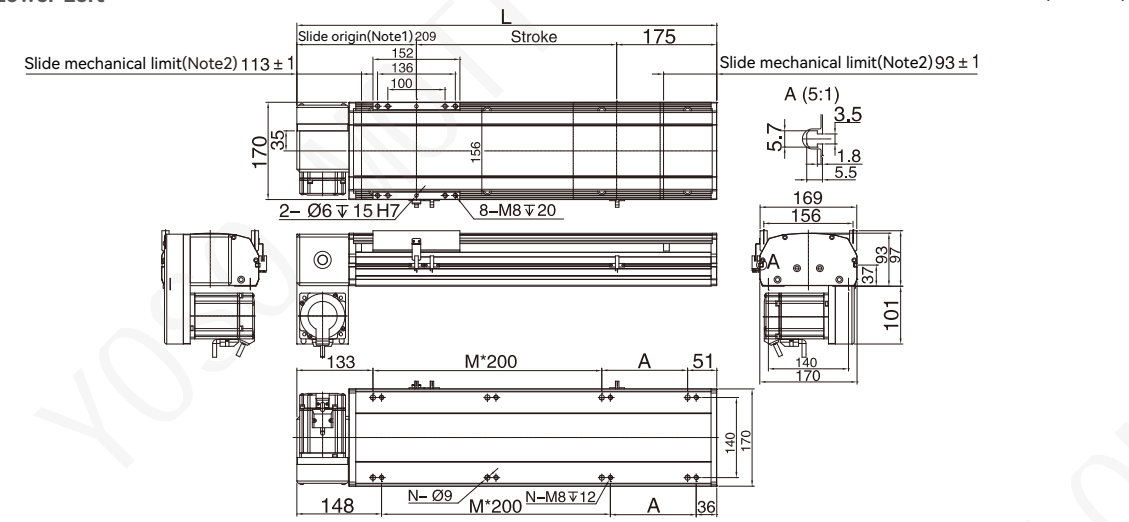
## R Motor Right Side



Stroke	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
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	6	6	7	7
N	6	6	6	8	8	8	8	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

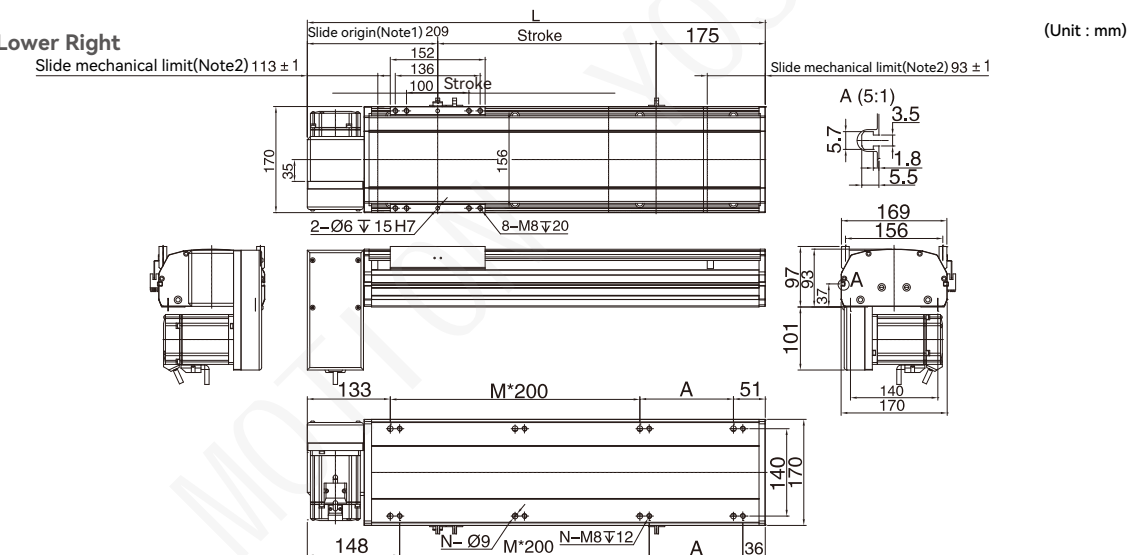
## LD Motor Lower Left



Stroke	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
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	6	6	6	6	6	6	6	7	7
N	6	6	6	8	8	8	8	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

## RD Motor Lower Right

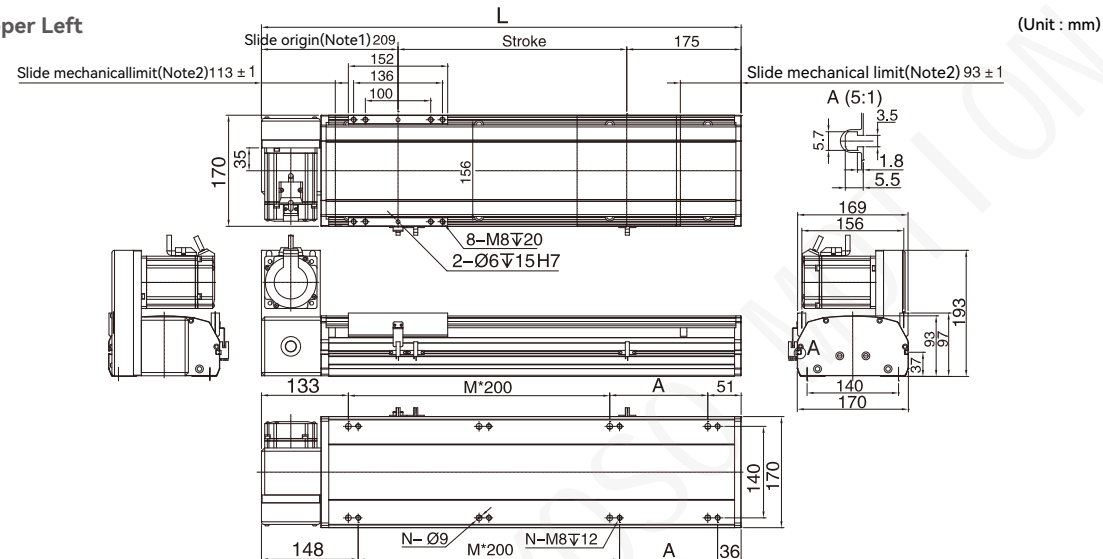


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	6	6	7	7
N	6	6	6	8	8	8	8	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

1 axis  
DET8  
DET8B  
DET8C  
DET8D  
DET8E  
DET8F  
DET8G  
DET8H  
DET8I  
DET8J  
DET8K  
DET8L  
DET8M  
DET8N  
DET8O  
DET8P  
DET8Q  
DET8R  
DET8S  
DET8T  
DET8U  
DET8V  
DET8W  
DET8X  
DET8Y  
DET8Z

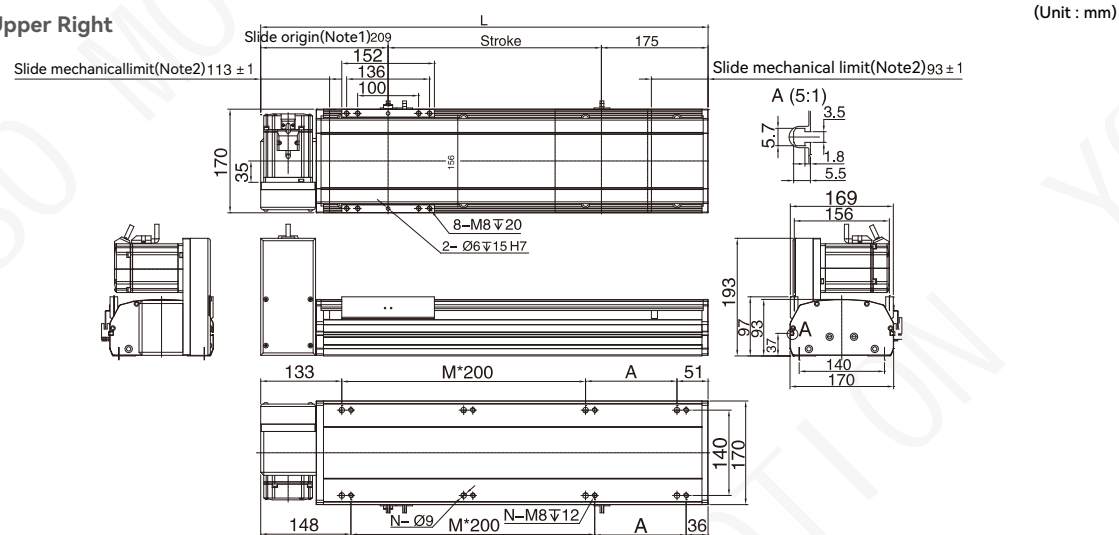
## LU Motor Upper Left



Stroke	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
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	6	6	6	6	7	7	7
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

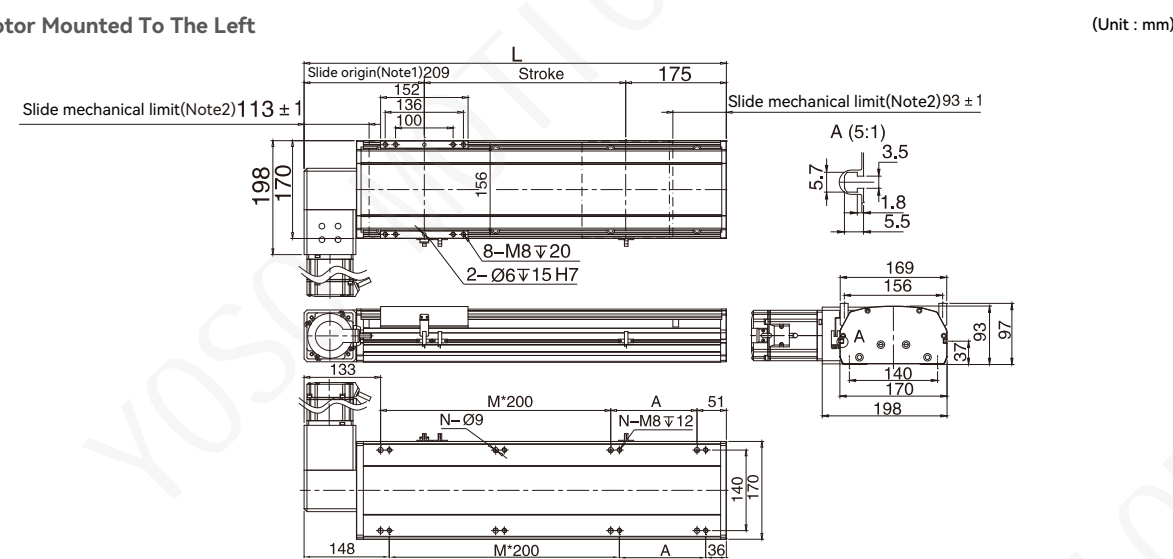
## RU Motor Upper Right



Stroke	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
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	6	6	6	6	7	7	7
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

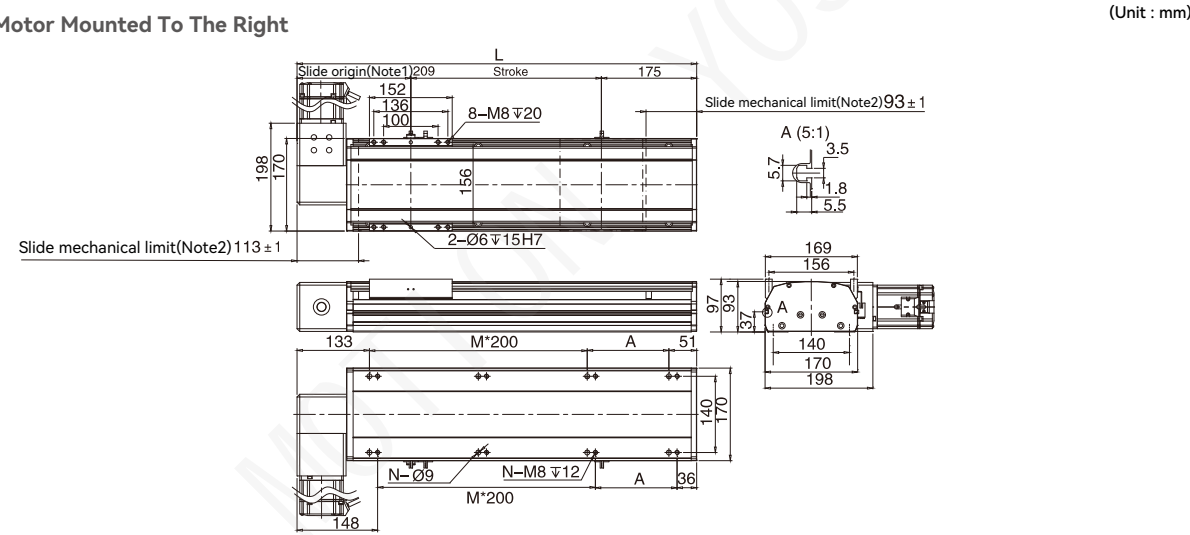
## CL Motor Mounted To The Left



Stroke	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
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

## CR Motor Mounted To The Right

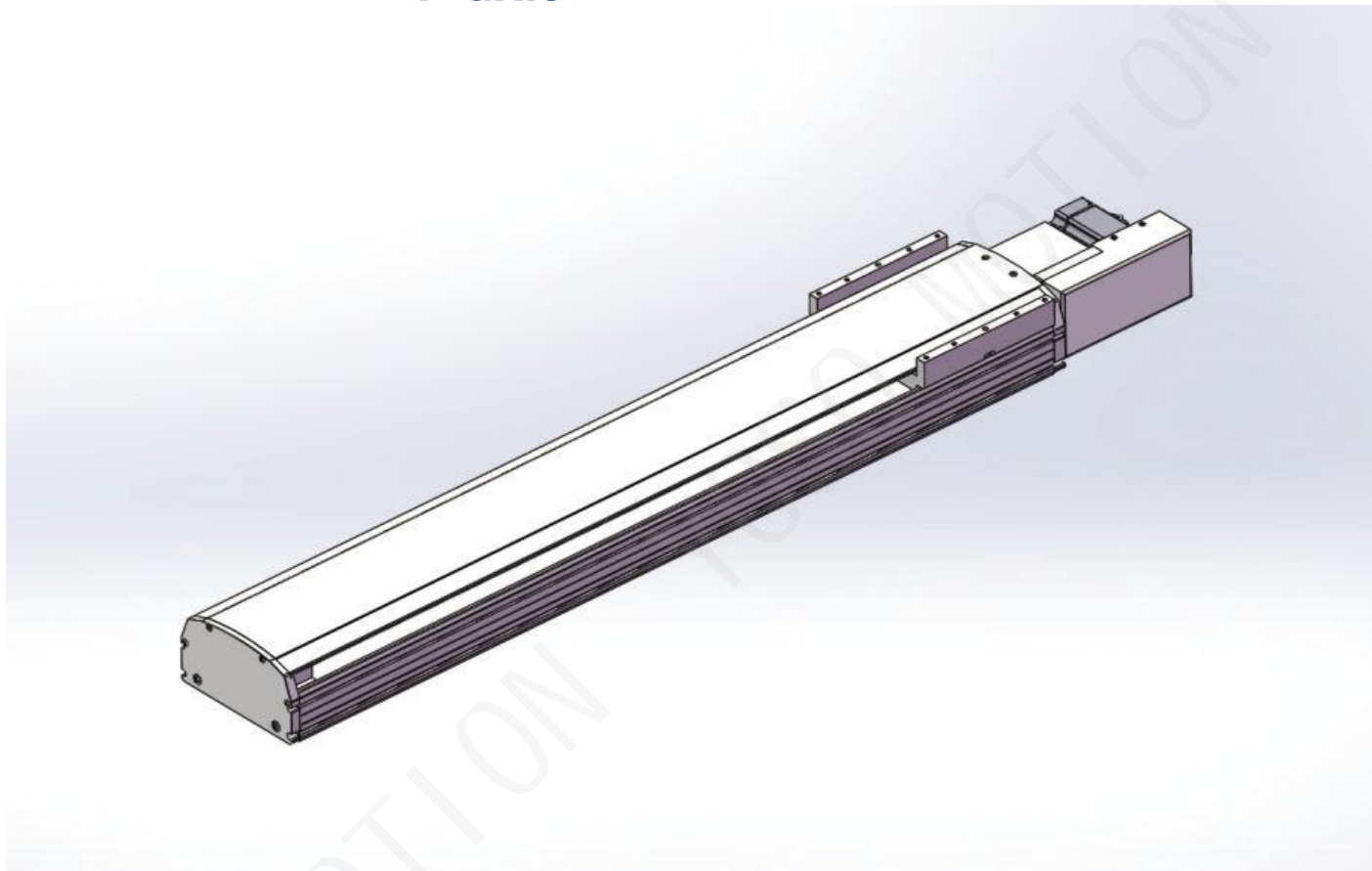


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634	1684
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18
KG	12	13.8	14.6	15.4	16.1	16.9	17.7	18.5	19.2	20	20.8	21.6	22.3	23.1	23.9	24.7	25.4	26.2	27	27.8	28.6	29.4	30.2	31	31.8

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884	2934
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13
N	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30
KG	32.6	33.4	34.2	35	35.8	36.6	37.4	38.2	39	39.8	40.6	41.4	42.2	43	43.8	44.6	45.4	46.2	47	47.8	48.6	49.4	50.2	51	51.8

1 axis  
DET8  
DET8B  
DET12  
DET12B  
DET14  
DET17  
DET22

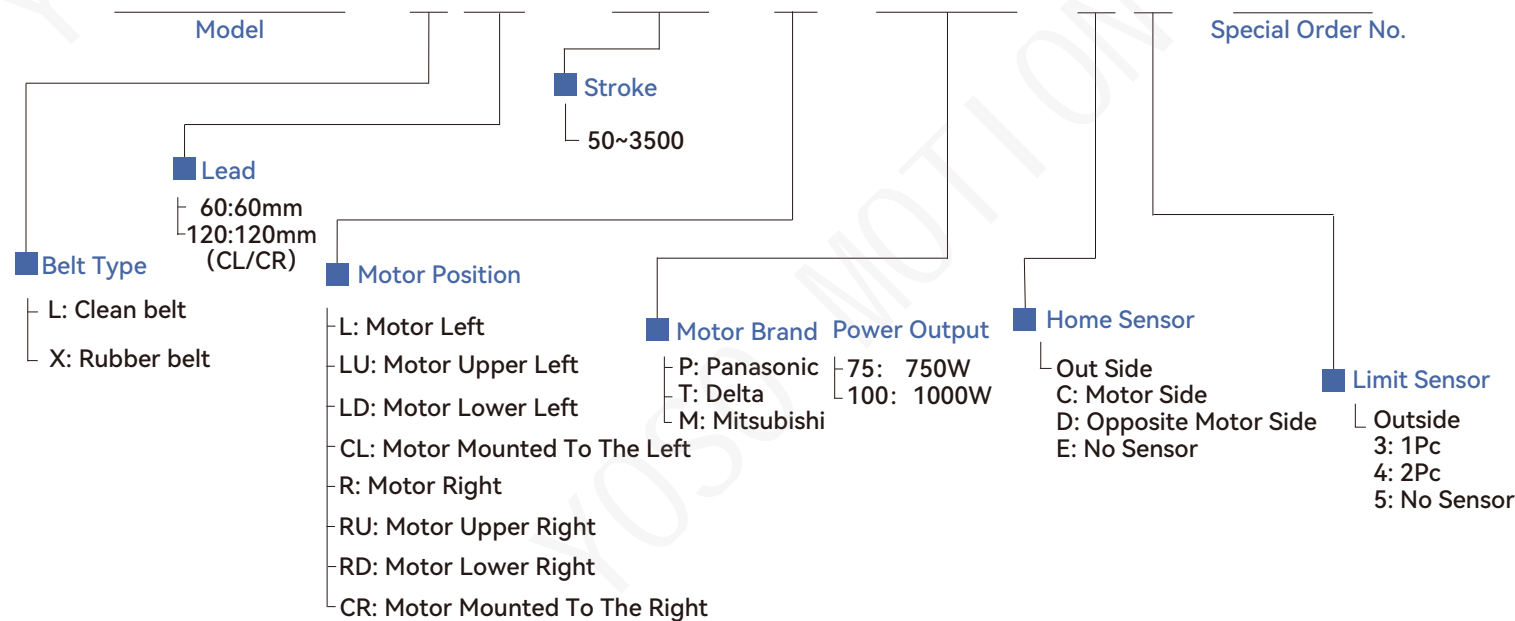
# DET22 1-axis



Maximum Stroke **3500mm**    Maximum Speed **6000mm/s**    Motor Output **750W**    Belt Width **50mm**    Linear Guide **23x18-2**

### Ordering Method

**DET22 - L 60 - 100 - L - M75 - C 4 - 0001**

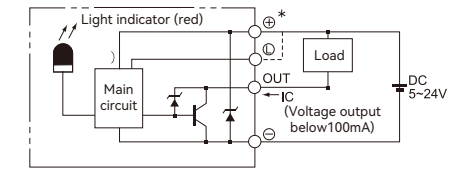


### Specification

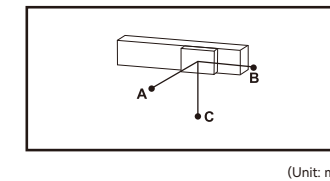
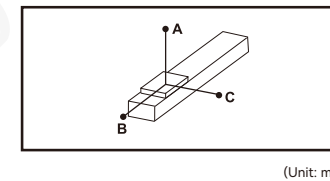
Performance	Repeatability (mm)		±0.04	
	Lead (mm)		60	120
	Maximum Speed (mm/s)		3000	6000
	Maximum Payload	Horizontal(kg)	85	42
		Vertical(kg)		
	Rated Thrust (N)			
Stroke Pitch (mm)		50-3500mm/50pitch		
Components	AC Servo Motor Output (W)		750W	
	Belt Width (mm)		50	
	High Rigidity Linear Guide(mm)		W23XH18	
	Home Sensor	Outside	EE-SX672(NPN)	

\*Acceleration and deceleration value is set 0.4 second.

### Sensor Layout



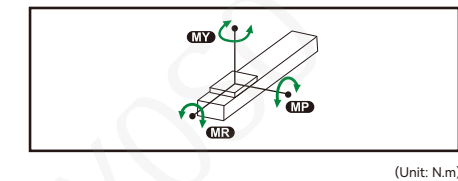
### Allowable Overhang



Horizontal installation	A	B	C	Wall installation	A	B	C
	45kg	1588	600		349	40kg	500
65kg	1052	328	285	60kg	315	430	1152
85kg	768	281	206	85kg	206	281	768

\*The torque value in the chart indicate the center of gravity.  
\*Operation life is 10,000km when the product is using under the specified conditions.

### Static Loading Moment



### Static Loading Moment

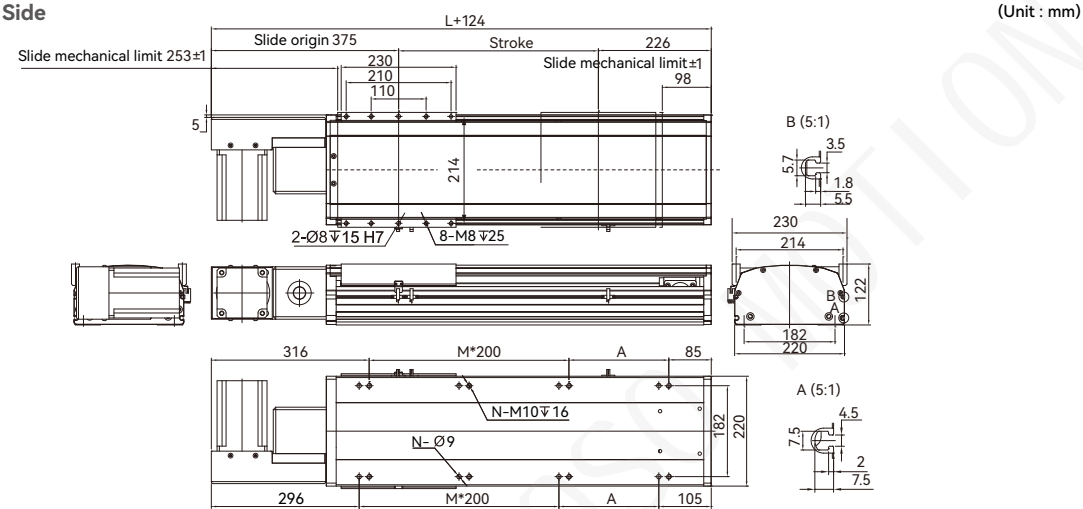
MY	2052
MP	2052
MR	1810

### Suitable Motor Brand

Brand	Mark	Brake	Watp W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B

1 axis  
DET8  
DET12  
DET12B  
DET14  
DET17  
DET22

## L Motor Left Side



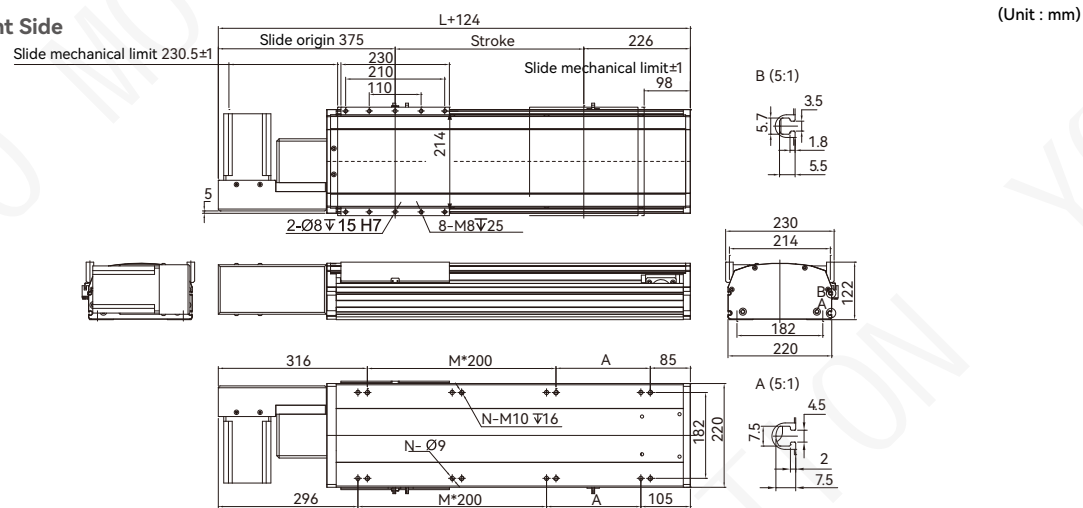
(Unit : mm)

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	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	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	1300	1350	1400	1450	1500	1550
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	30	31.2	32.4	33.6	34.8	36	37.2	38.4	39.6	40.8	42	43.2	44.4	45.6	46.8	48	49.2	50.4	51.6	52.8	54	55.2	56.4	57.6	58.8	60	61.2	62.4	63.6	64.8

Stroke	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050		
L	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	3277	3327	3377	3427	3477	3527		
A	200	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	1300	1350	1400	1450	1500	1550
M	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16		
N	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36		
KG	66	67.2	68.4	69.6	70.8	72	73.2	74.4	75.6	76.8	78	79.2	80.4	81.6	82.8	84	85.2	86.4	87.6	88.8	90	91.2	92.4	93.6	94.8	96	97.2	98.4	99.6	100.8		

## R Motor Right Side



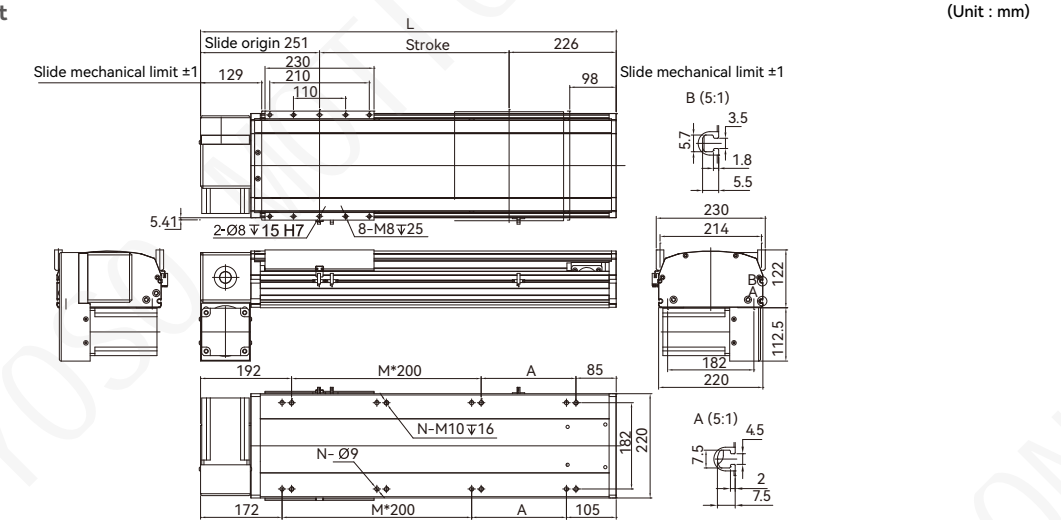
(Unit : mm)

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	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	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	1300	1350	1400	1450	1500	1550
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	30	31.2	32.4	33.6	34.8	36	37.2	38.4	39.6	40.8	42	43.2	44.4	45.6	46.8	48	49.2	50.4	51.6	52.8	54	55.2	56.4	57.6	58.8	60	61.2	62.4	63.6	64.8

Stroke	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050		
L	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	3277	3327	3377	3427	3477	3527		
A	200	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	1300	1350	1400	1450	1500	1550
M	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16		
N	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36		
KG	66	67.2	68.4	69.6	70.8	72	73.2	74.4	75.6	76.8	78	79.2	80.4	81.6	82.8	84	85.2	86.4	87.6	88.8	90	91.2	92.4	93.6	94.8	96	97.2	98.4	99.6	100.8		

## LD Motor Lower Left



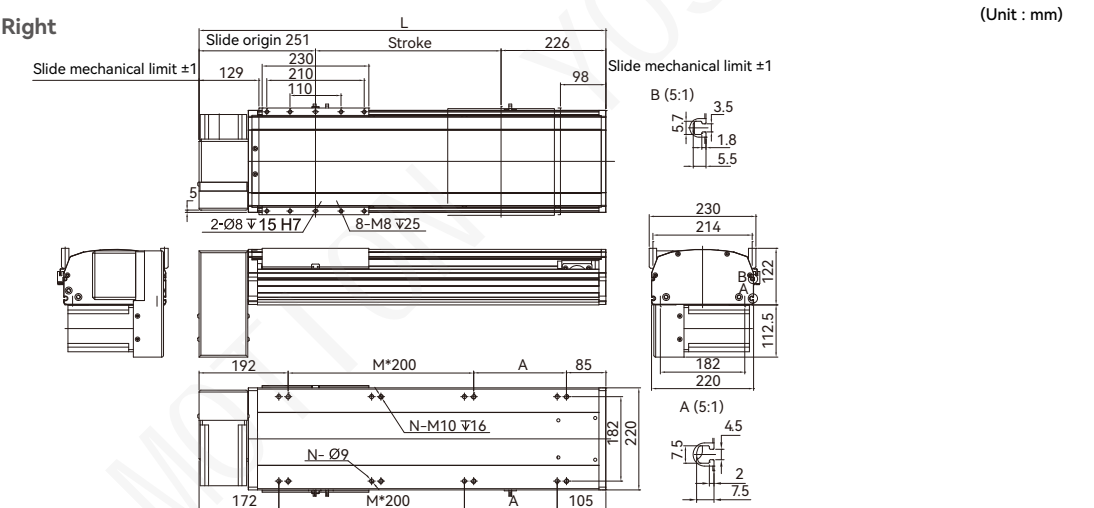
(Unit : mm)

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	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	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	1300	1350	1400	1450	1500	1550
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	30	31.2	32.4	33.6	34.8	36	37.2	38.4	39.6	40.8	42	43.2	44.4	45.6	46.8	48	49.2	50.4	51.6	52.8	54	55.2	56.4	57.6	58.8	60	61.2	62.4	63.6	64.8

Stroke	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050		
L	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	3277	3327	3377	3427	3477	3527		
A	200	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	1300	1350	1400	1450	1500	1550
M	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16		
N	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36		
KG	66	67.2	68.4	69.6	70.8	72	73.2	74.4	75.6	76.8	78	79.2	80.4	81.6	82.8	84	85.2	86.4	87.6	88.8	90	91.2	92.4	93.6	94.8	96	97.2	98.4	99.6	100.8		

## RD Motor Lower Right

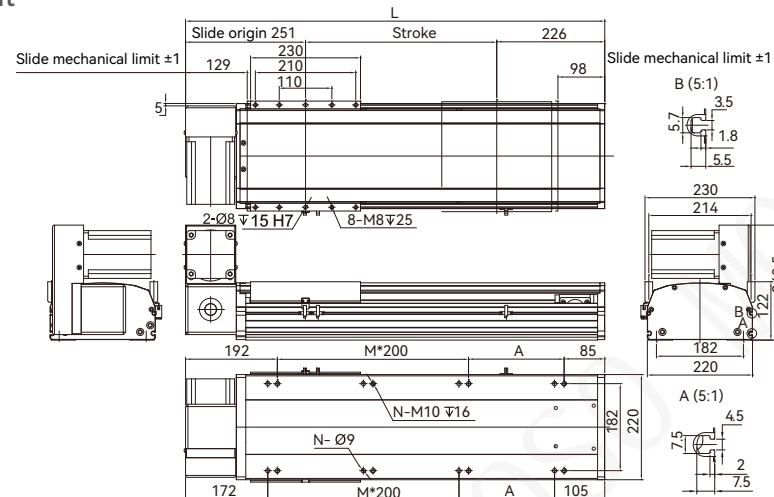


(Unit : mm)

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	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	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	1300	1350	1400	1450	1500	1550
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	3																													

## LU Motor Upper Left

(Unit : mm)

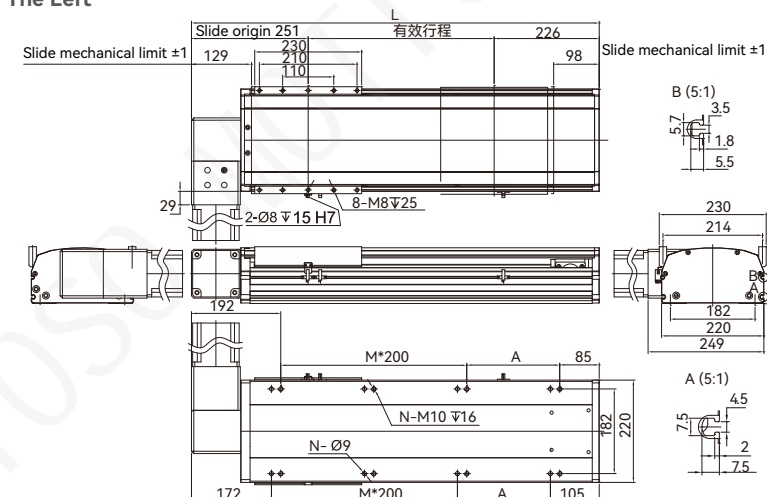


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	30	31.2	32.4	33.6	34.8	36	37.2	38.4	39.6	40.8	42	43.2	44.4	45.6	46.8	48	49.2	50.4	51.6	52.8	54	55.2	56.4	59.2	59.8	60	61.2	62.4	63.6	64.8

Stroke	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050
L	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	3277	3327	3377	3427	3477	3527
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16
N	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	36
KG	66	67.2	68.4	69.6	70.8	72	73.2	74.4	75.6	76.8	78	79.2	80.4	81.6	82.8	84	85.2	86.4	87.6	88.8	90	91.2	92.4	93.6	94.8	96	97.2	98.4	99.6	100.8

## CL Motor Mounted To The Left

(Unit : mm)

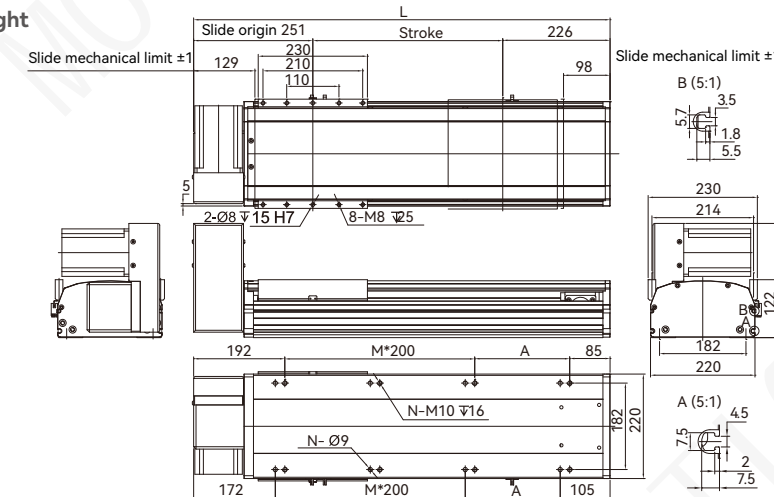


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027	
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	30	31.2	32.4	33.6	34.8	36	37.2	38.4	39.6	40.8	42	43.2	44.4	45.6	46.8	48	49.2	50.4	51.6	52.8	54	55.2	56.4	59.2	59.8	60	61.2	62.4	63.6	64.8	

Stroke	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050
L	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	3277	3327	3377	3427	3477	3527
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16
N	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	36
KG	66	67.2	68.4	69.6	70.8	72	73.2	74.4	75.6	76.8	78	79.2	80.4	81.6	82.8	84	85.2	86.4	87.6	88.8	90	91.2	92.4	93.6	94.8	96	97.2	98.4	99.6	100.8

## RU Motor Upper Right

(Unit : mm)

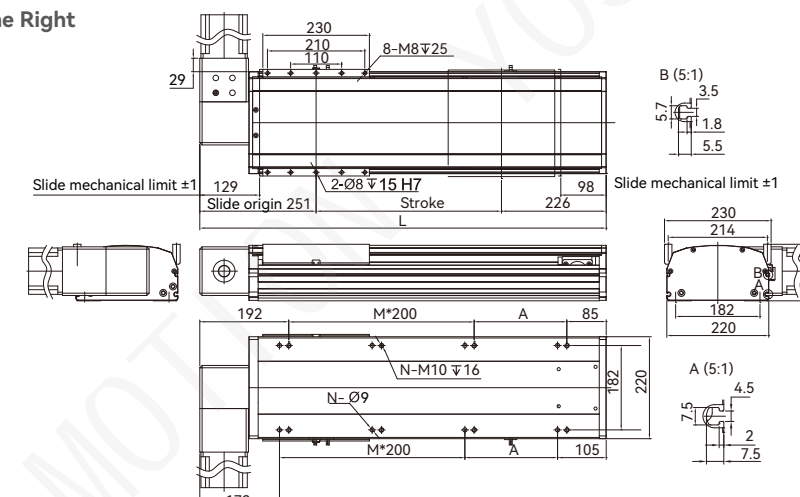


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027	
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20
KG	28.8	30	31.2	32.4	33.6	34.8	36	37.2	38.4	39.6	40.8	42	43.2	44.4	45.6	46.8	48	49.2	50.4	51.6	52.8	54	55.2	56.4	59.2	59.8	60	61.2	62.4	63.6	64.8	

Stroke	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050
L	2077	2127	2177	2227	2277	2327	2377	2427	2477	2527	2577	2627	2677	2727	2777	2827	2877	2927	2977	3027	3077	3127	3177	3227	3277	3327	3377	3427	3477	3527
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16
N	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	36
KG	66	67.2	68.4	69.6	70.8	72	73.2	74.4	75.6	76.8	78	79.2	80.4	81.6	82.8	84	85.2	86.4	87.6	88.8	90	91.2	92.4	93.6	94.8	96	97.2	98.4	99.6	100.8

## CR Motor Mounted To The Right

(Unit : mm)



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	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	14	16	16	16	16	18					

MEMO

# DECB Series

Clean Room/Belt Type

## CONTENTS

Clean Room/Belt Type

P49 Small

DECB8



Width 86mm  
Max.stroke 1800mm  
Max.payload 14kg

P67 Medium

DECB14



Width 135mm  
Max.stroke 3050mm  
Max.payload 40kg

P55 Medium

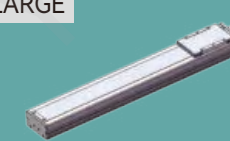
DECB12



Width 105mm  
Max.stroke 2550mm  
Max.payload 22kg

P73 LARGE

DECB17



Width 170mm  
Max.stroke 3550mm  
Max.payload 60kg

P61 Medium

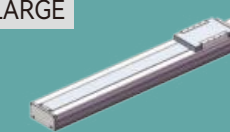
DECB12B



Width 122mm  
Max.stroke 3050mm  
Max.payload 34kg

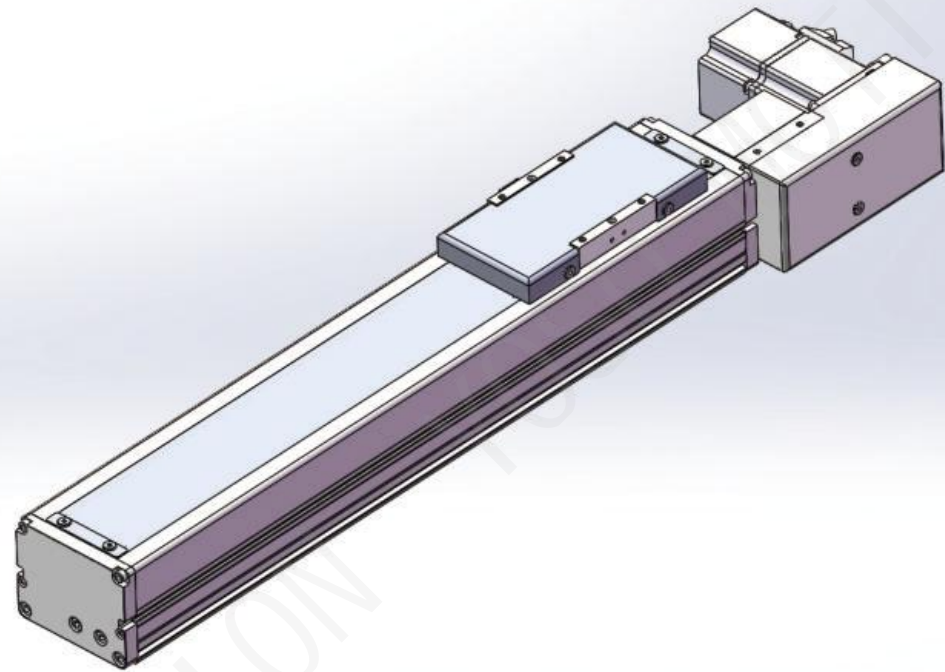
P79 LARGE

DECB22



Width 220mm  
Max.stroke 3500mm  
Max.payload 85kg

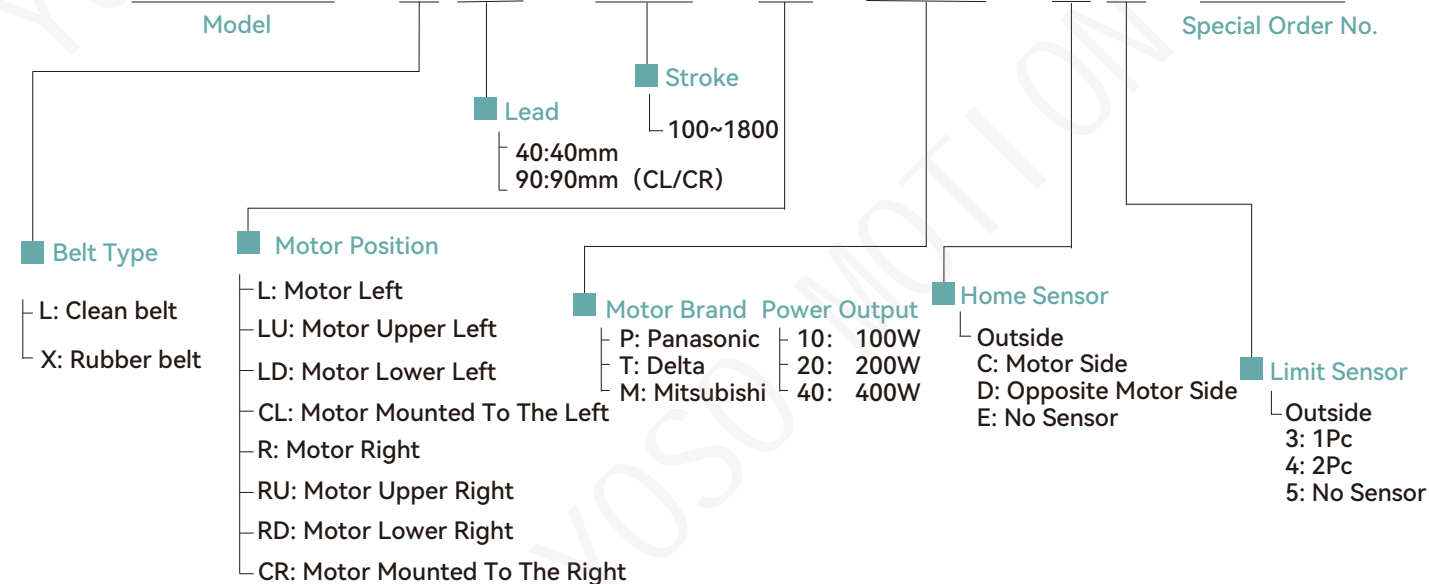
# DECB8 1-axis



Maximum Stroke **1800mm**    Maximum Speed **4500mm/s**    Motor Output **200W**    Belt Width **18mm**    Linear Guide **15x12.5-1**

型號表示方式 Ordering Method

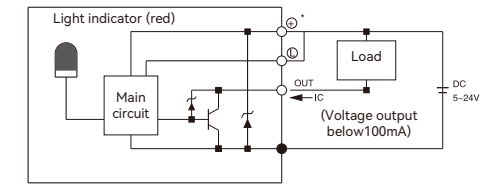
**DECB8 - L 40 - 100 - L - P20 - C 4 - 0001**



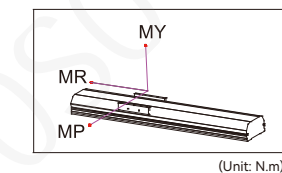
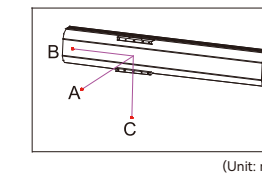
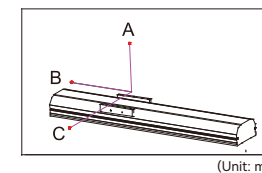
Specification

Performance	Repeatability (mm)		±0.04	
	Lead (mm)		40	90
	Maximum Speed (mm/s)		2000	4500
	Maximum Payload	Horizontal(kg)	14	7
		Vertical(kg)	/	
	Rated Thrust (N)		105	55
Stroke Pitch (mm)		100-1800mm/50pitch		
Components	AC Servo Motor Output (w)		200W	
	Belt Width (mm)		18	
	High Rigidity Linear Guide(mm)		15x12.5	
	Home Sensor	Outside	EE-SX672(NPN)	

Sensor Layout



Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	4kg	905	325		285	4kg	285
8kg	375	145	125	8kg	125	145	375
14kg	205	75	60	14kg	60	75	205

Static Loading Moment	
MY	88
MP	88
MR	96

\*The torque value in the chart indicate the center of gravity  
\*Operation life is 10,000km when the product is using under the specified conditions

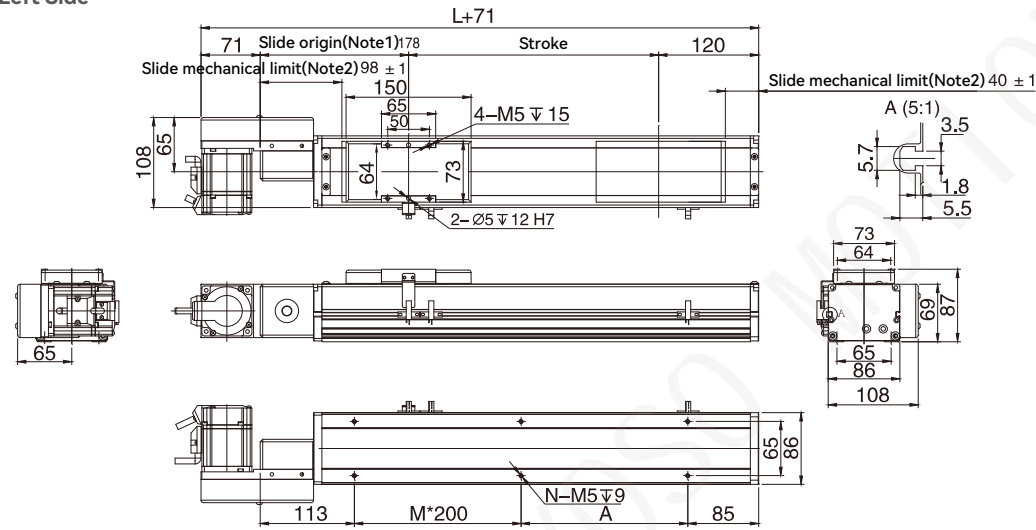
Suitable Motor Brand

Brand	Mark	Brake	Wattp W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	200	220	HG-KR23	MR-J4-20A
Panasonic	P	No Brake (Horizontal Type)	200	220	MSMD022G1U	MADHT1507
Delta	T	No Brake (Horizontal Type)	200	220	ECMA-C20602ES	ASD-B20221-B

- 1 axis
- DECB
- DECB8
- DECB12
- DECB12B
- DECB14
- DECB17
- DECB22

## L Motor Left Side

(Unit : mm)



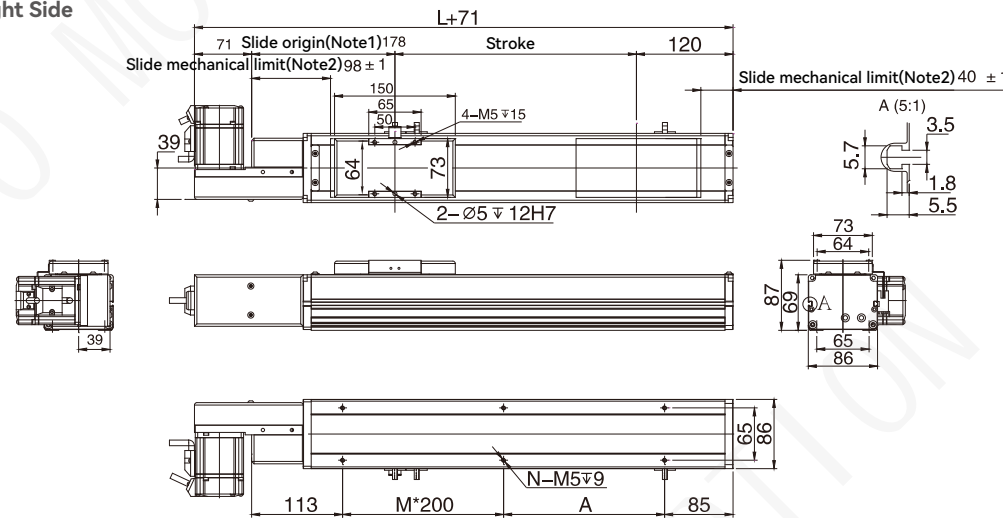
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## R Motor Right Side

(Unit : mm)



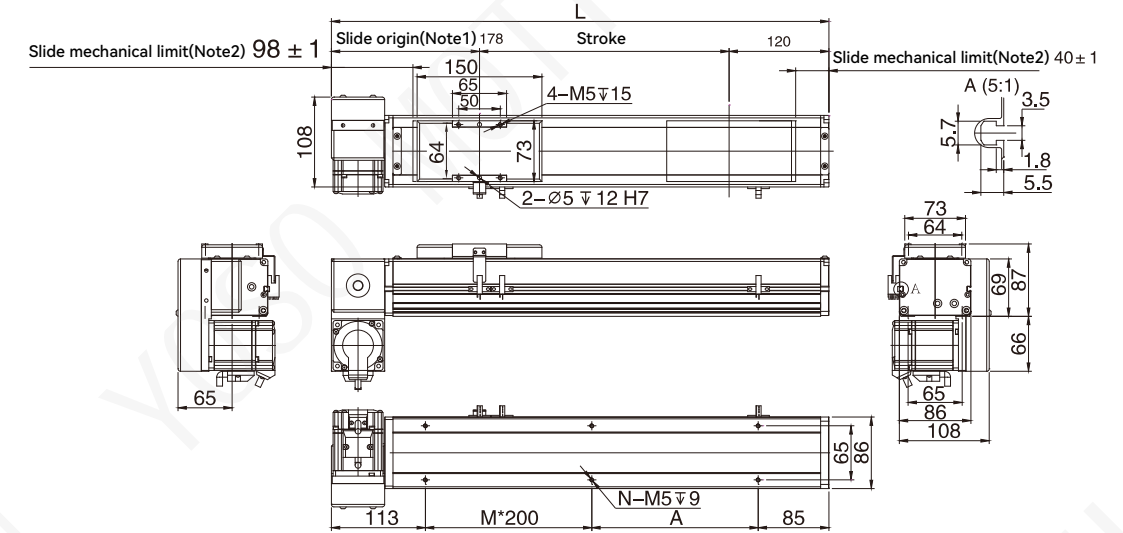
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## LD Motor Lower Left

(Unit : mm)



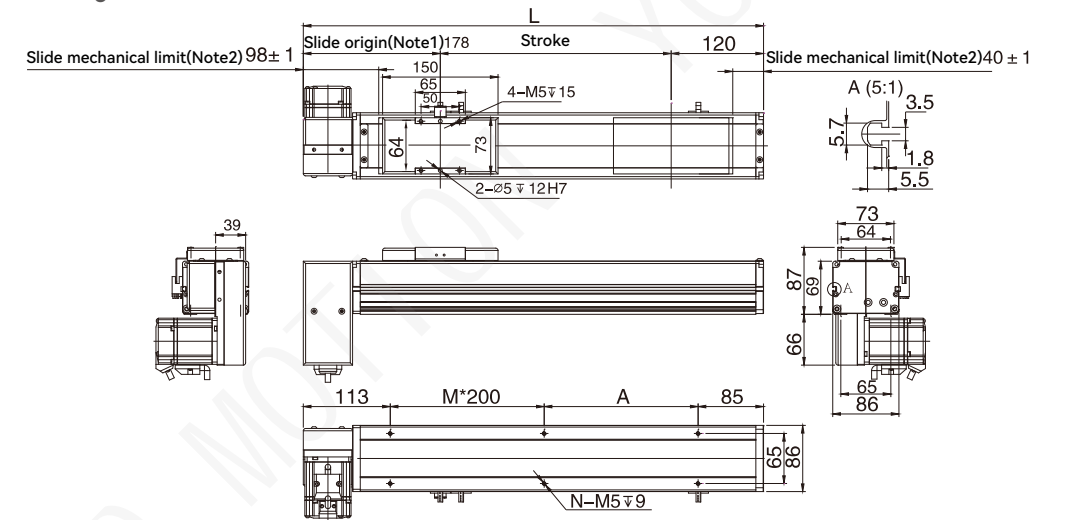
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## RD Motor Lower Right

(Unit : mm)



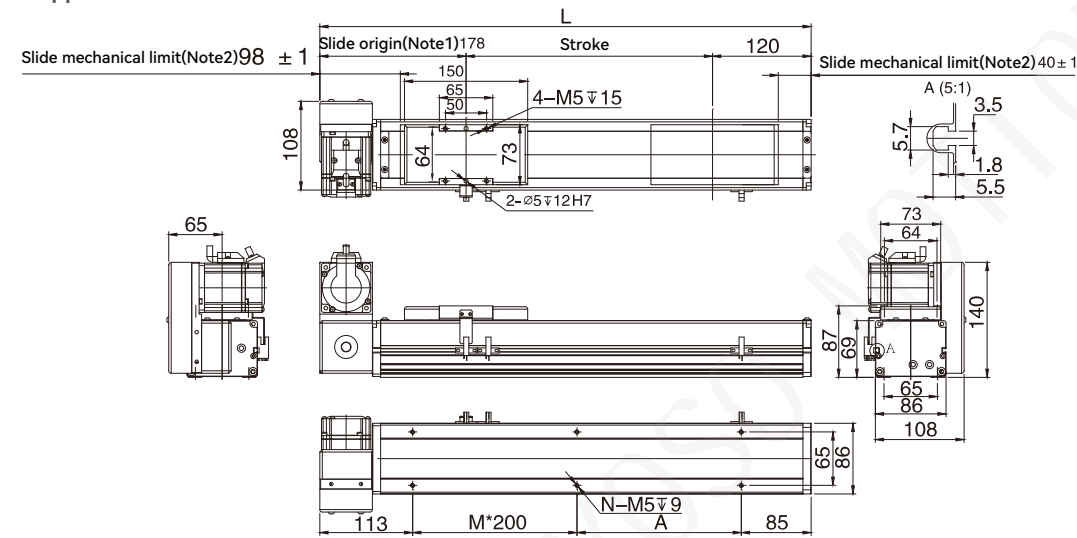
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## LU Motor Upper Left

(Unit : mm)



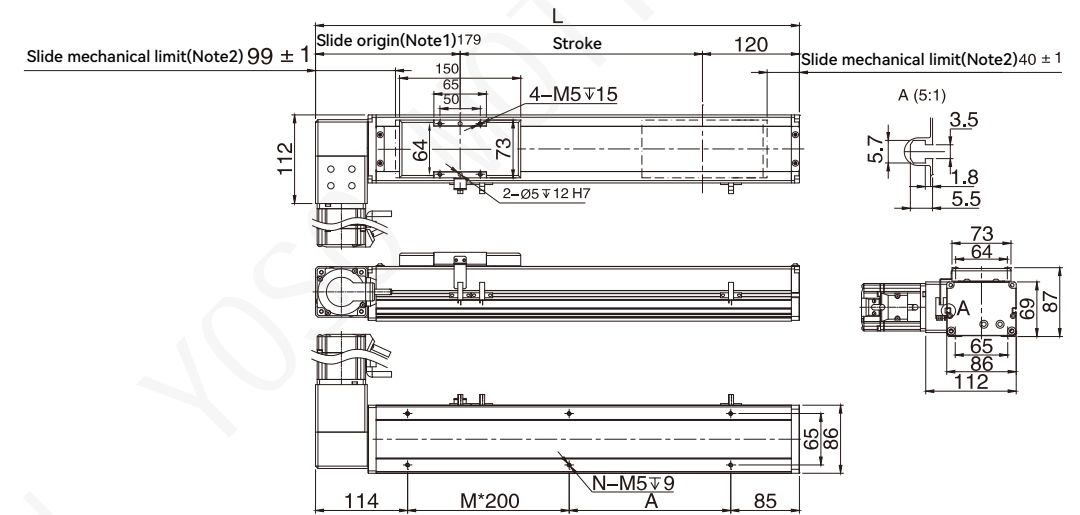
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## CL Motor Mounted To The Left

(Unit : mm)



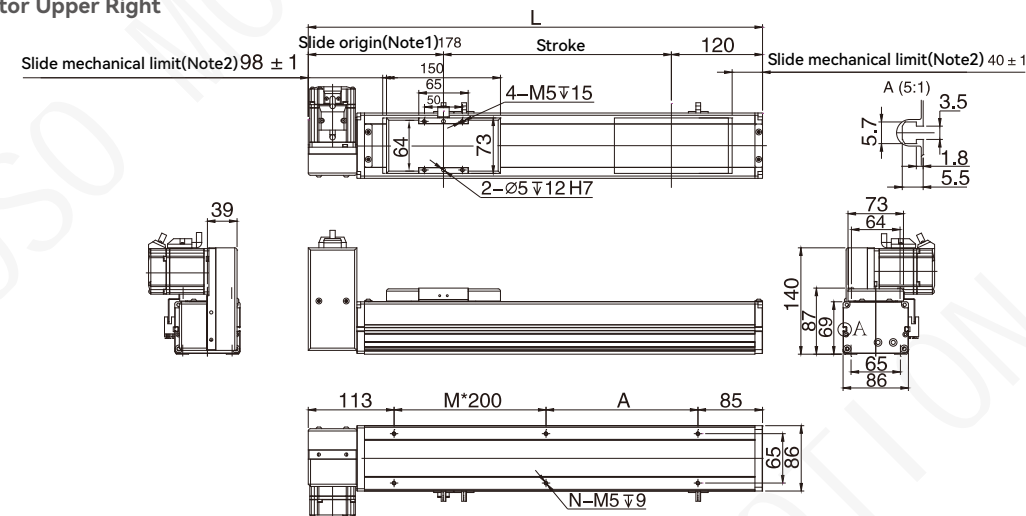
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999	2049	2099	2149
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## RU Motor Upper Right

(Unit : mm)



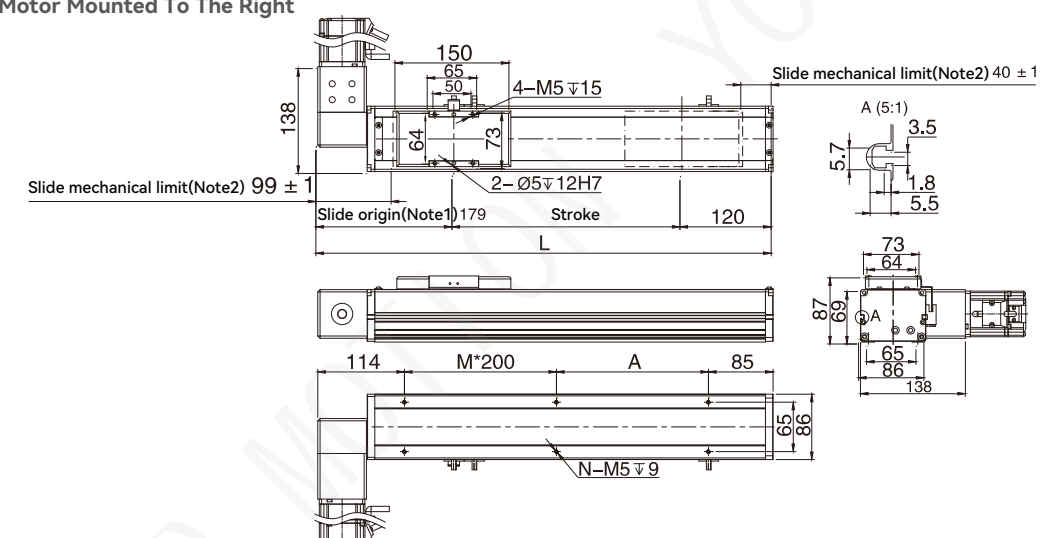
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	398	448	498	548	598	648	698	748	798	848	898	948	998	1048	1098	1148	1198	1248
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1298	1348	1398	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

## CR Motor Mounted To The Right

(Unit : mm)



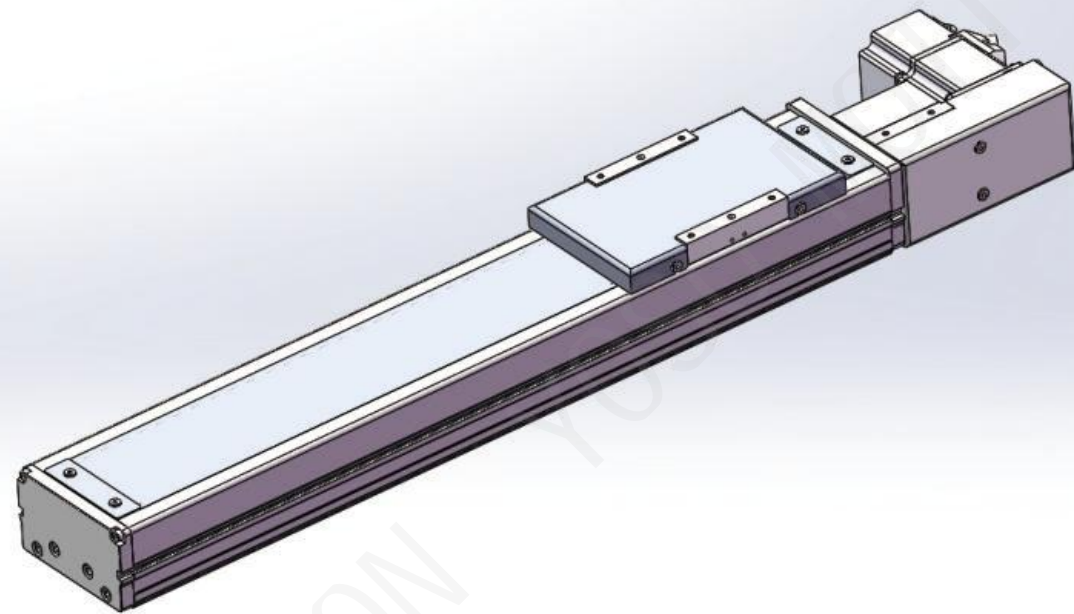
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950
L	399	449	499	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14
KG	5.65	6.08	6.47	6.92	7.37	7.77	8.19	8.61	9.04	9.46	9.88	10.31	10.73	11.15	11.58	12	12.42	12.84

Stroke	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850
L	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999	2049	2099	2149
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	13.27	13.69	14.11	14.53	14.95	15.37	16.02	16.21	16.63	17.05	17.47	17.89	18.31	18.73	19.15	19.57	19.99	20.41

- 1 axis
- DECB
- DECB8
- DECB12
- DECB12B
- DECB14
- DECB17
- DECB22

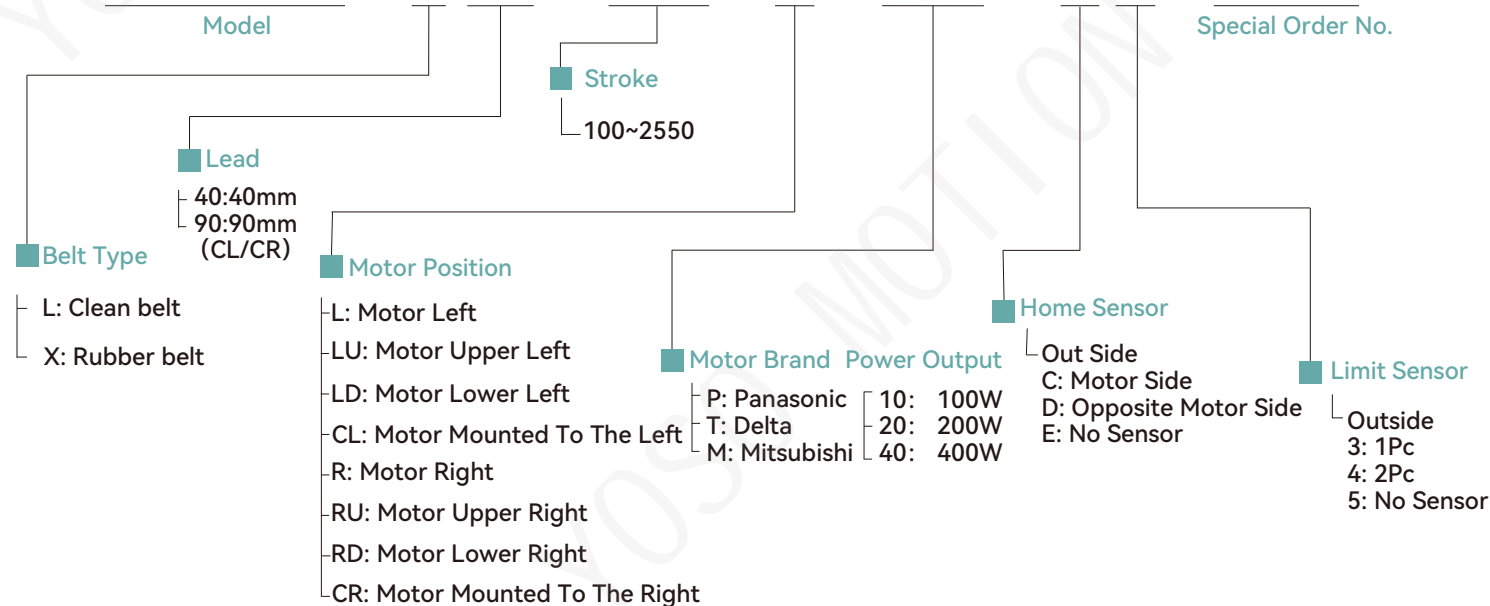
# DECB12 1-axis



Maximum Stroke **2550mm**    Maximum Speed **4500mm/s**    Motor Output **200W**    Belt Width **18mm**    Linear Guide **15x12.5-2**

### Ordering Method

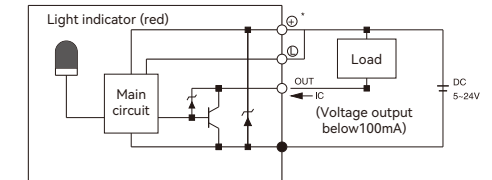
**DECB12 - L 40 - 100 - L - P20 - C 4 - 0001**



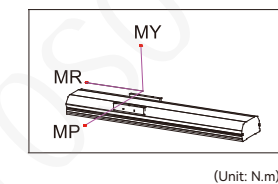
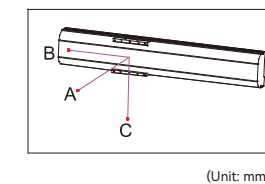
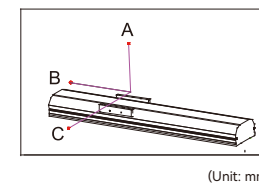
### Specification

Performance	Repeatability (mm)		±0.04	
	Lead (mm)		40    90	
	Maximum Speed (mm/s)		2000    4500	
	Maximum Payload	Horizontal(kg)	22	11
		Vertical(kg)	/	
	Rated Thrust (N)		105	55
Stroke Pitch (mm)		100-2550mm/50pitch		
Components	AC Servo Motor Output (w)		200W	
	Belt Width (mm)		18	
	High Rigidity Linear Guide(mm)		15x12.5	
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	5kg	905	325		285	5kg	285
13kg	375	145	125	13kg	125	145	375
22kg	205	75	60	22kg	60	75	205

### Static Loading Moment

MY	150
MP	150
MR	130

\*The torque value in the chart indicate the center of gravity  
\*Operation life is 10,000km when the product is using under the specified conditions

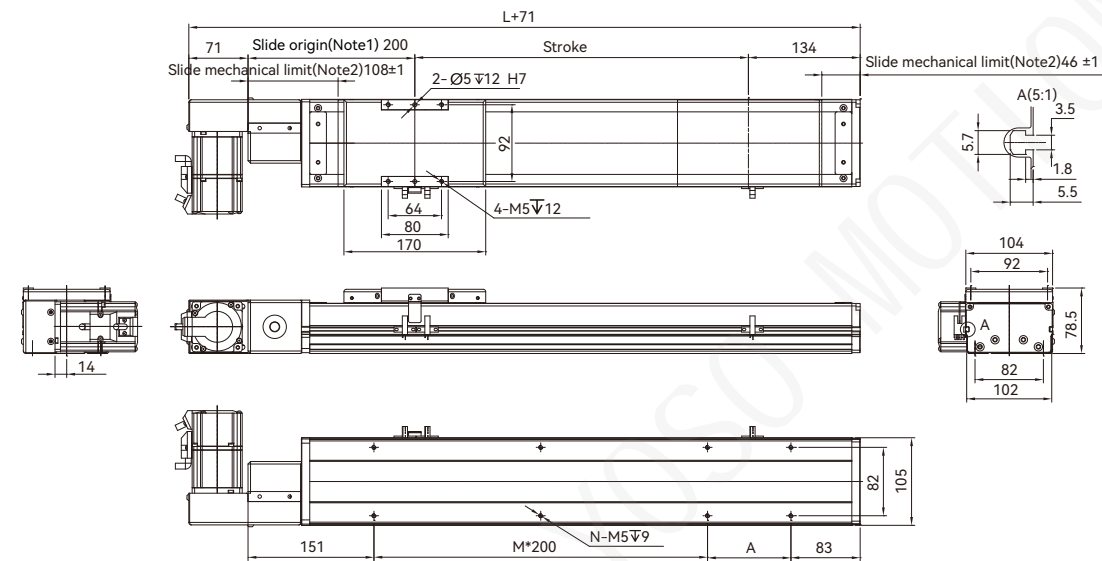
### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	200	220	HG-KR23	MR-J4-20A
Panasonic	P	No Brake (Horizontal Type)	200	220	MSMD022G1U	MADHT1507
Delta	T	No Brake (Horizontal Type)	200	220	ECMA-C20602ES	ASD-B20221-B

1 axis  
DECB  
DECB8  
DECB12  
DECB12B  
DECB14  
DECB17  
DECB22

## L Motor Left Side

(Unit : mm)



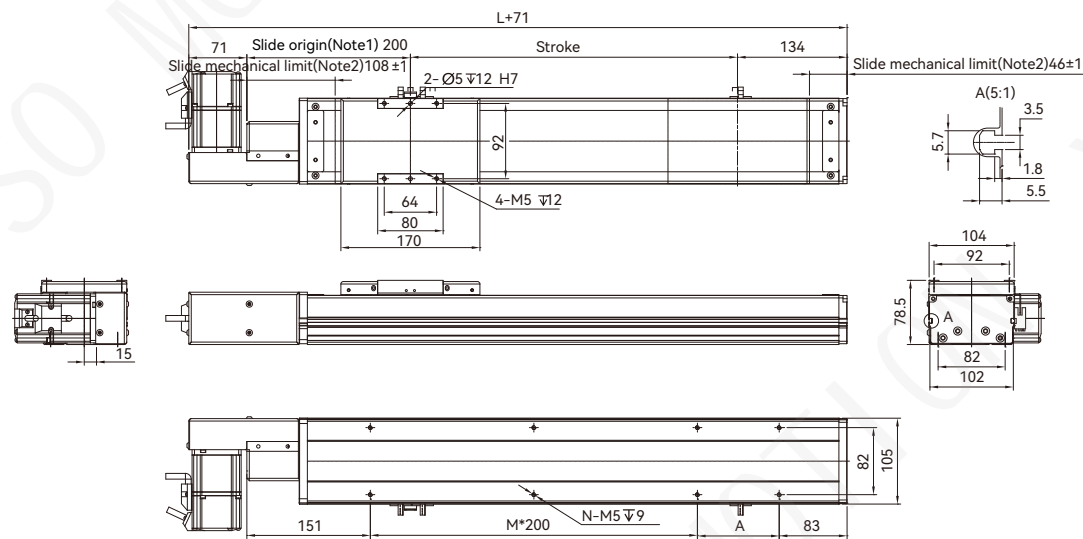
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

## R Motor Right Side

(Unit : mm)



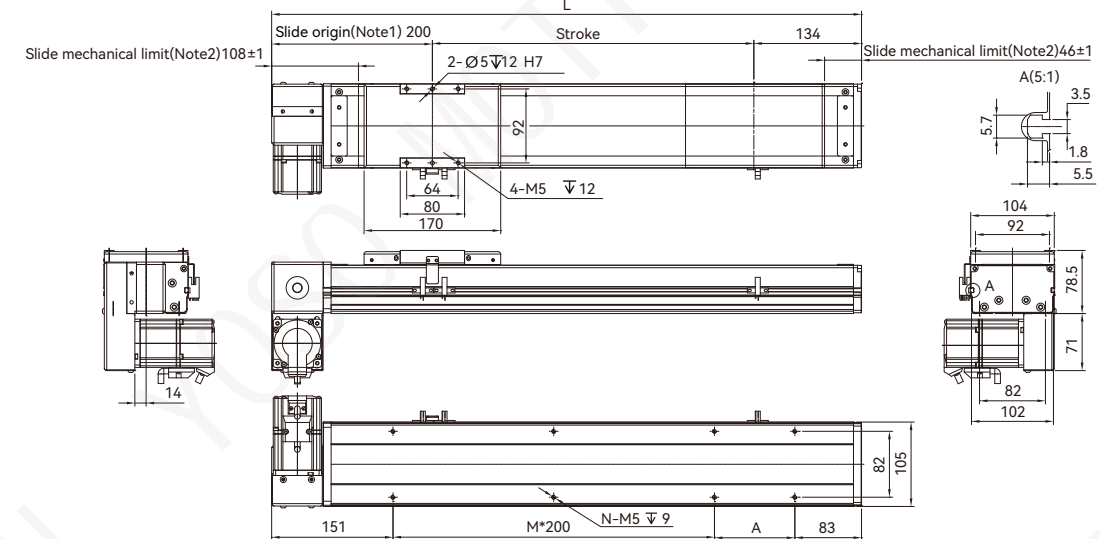
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

## LD Motor Lower Left

(Unit : mm)



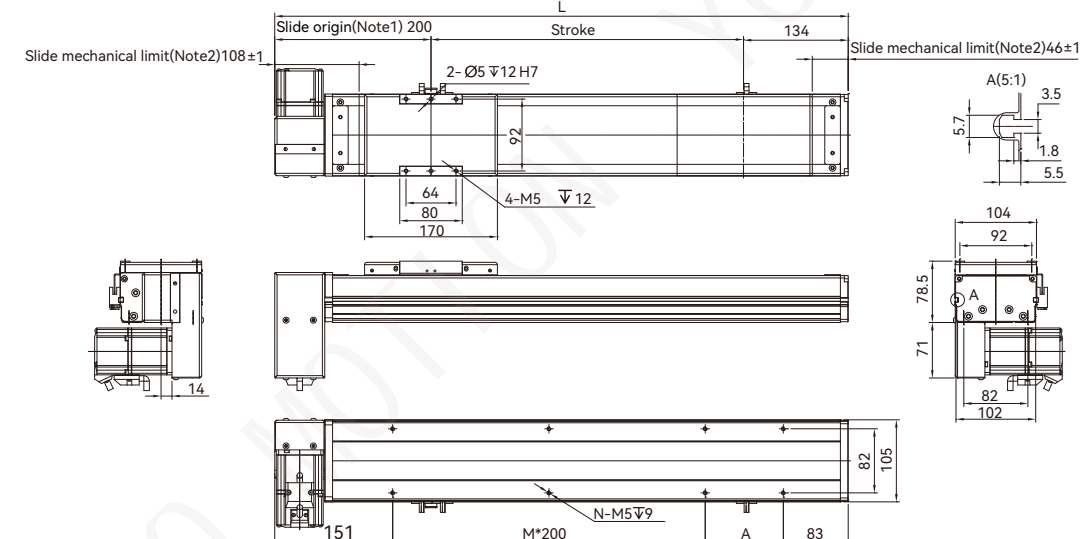
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

## RD Motor Lower Right

(Unit : mm)



Stroke	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
L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

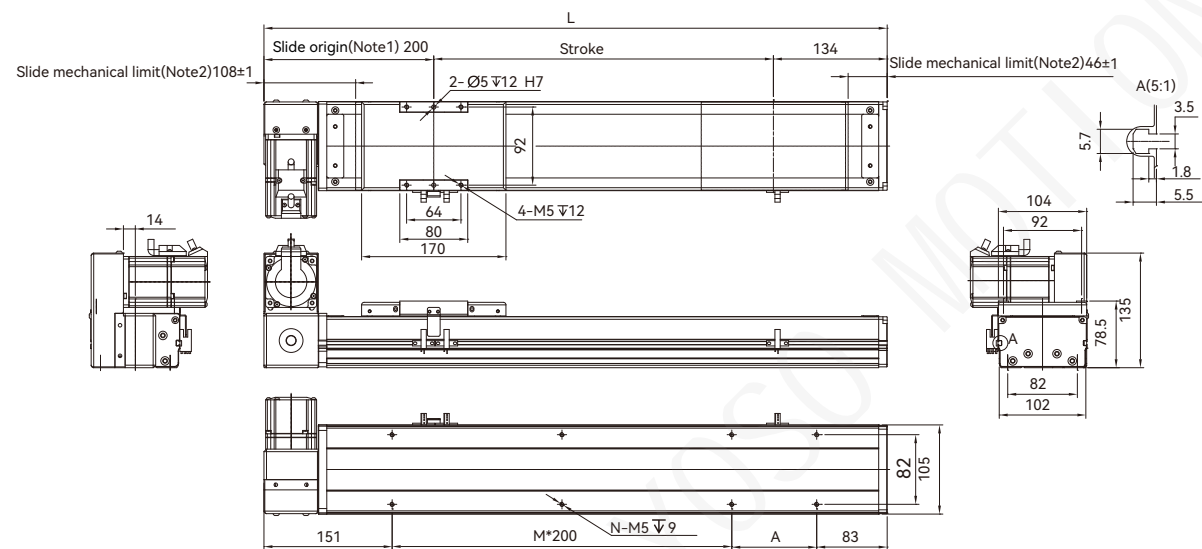
  

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11	12	12	12	12	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

1 axis  
DECB  
DECB8  
DECB12  
DECB12B  
DECB14  
DECB17  
DECB22

### LU Motor Upper Left

(Unit : mm)



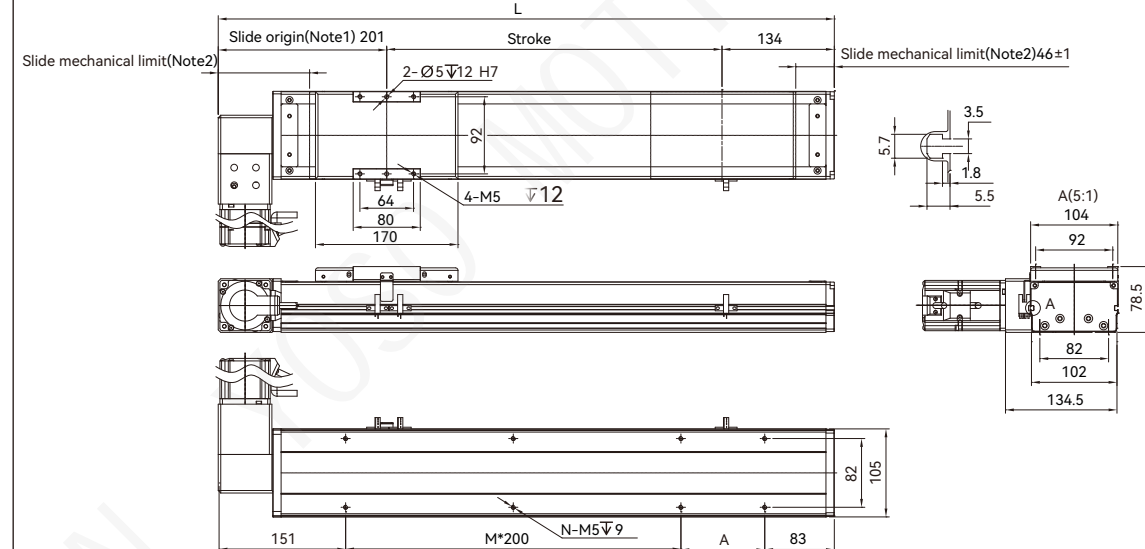
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	11	11	11	11	12	12	12	12	13	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

### CL Motor Mounted To The Left

(Unit : mm)



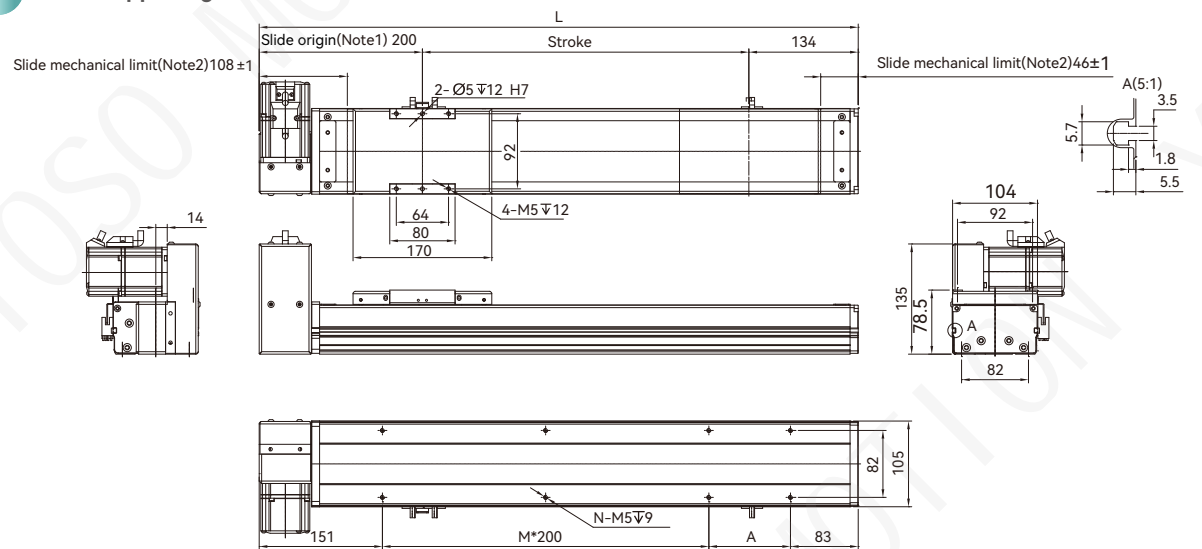
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	435	485	535	585	635	685	735	785	835	885	935	985	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1685	1735	1785	1835	1885	1935	1985	2035	2085	2135	2185	2235	2285	2335	2385	2435	2485	2535	2585	2635	2685	2735	2785	2835	2885
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	11	11	11	11	12	12	12	12	13	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

### RU Motor Upper Right

(Unit : mm)



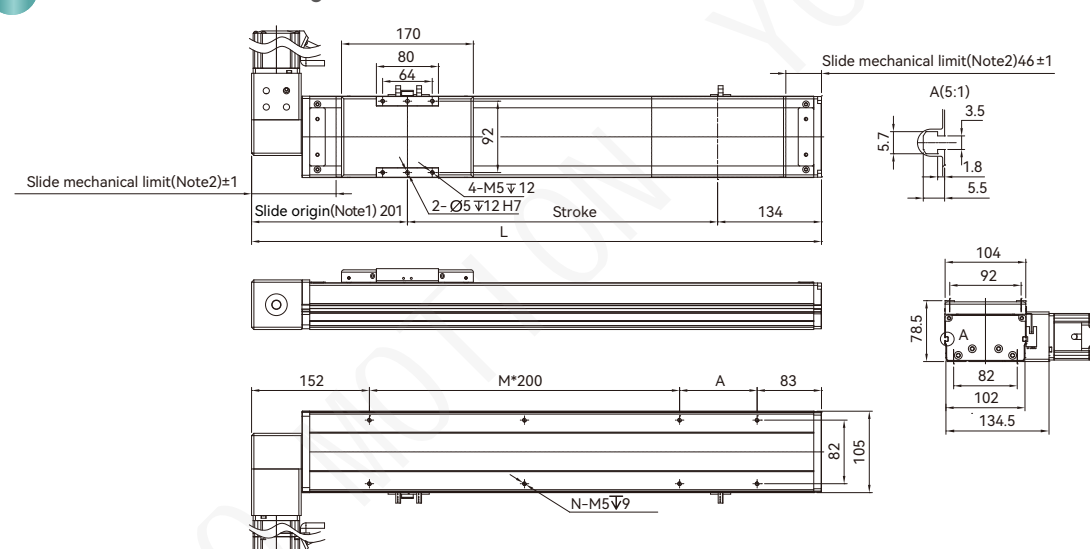
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384	1434	1484	1534	1584	1634
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1684	1734	1784	1834	1884	1934	1984	2034	2084	2134	2184	2234	2284	2334	2384	2434	2484	2534	2584	2634	2684	2734	2784	2834	2884
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	11	11	11	11	12	12	12	12	13	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

### CR Motor Mounted To The Right

(Unit : mm)



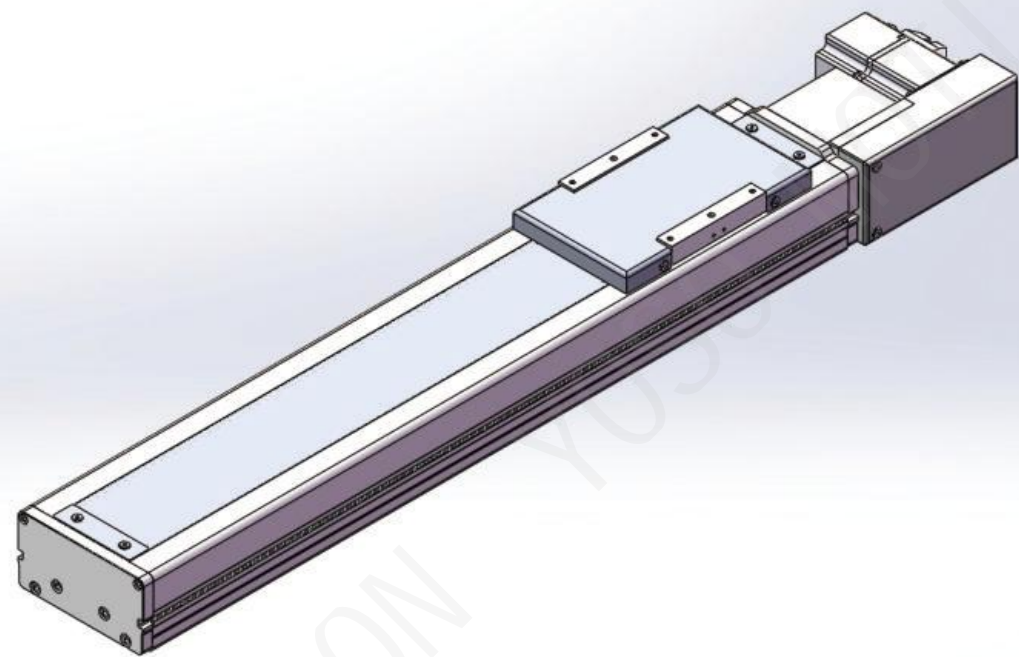
Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	435	485	535	585	635	685	735	785	835	885	935	985	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16
KG	8.3	8.73	9.15	9.57	10	10.42	10.84	11.26	11.69	12.11	12.53	12.96	13.38	13.8	14.23	14.65	15.07	15.49	15.92	16.34	16.76	17.18	17.6	18.02	18.44

Stroke	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550
L	1685	1735	1785	1835	1885	1935	1985	2035	2085	2135	2185	2235	2285	2335	2385	2435	2485	2535	2585	2635	2685	2735	2785	2835	2885
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	11	11	11	11	12	12	12	12	13	13
N	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26	28	28	28	28	30
KG	18.86	19.28	19.7	19.12	20.54	20.96	21.38	21.8	22.22	22.64	23.06	23.48	23.9	24.32	24.74	25.16	25.58	26	26.42	26.84	27.26	27.68	28.1	28.52	28.94

1 axis  
DECB  
DECB8  
DECB12  
DECB12B  
DECB14  
DECB17  
DECB22

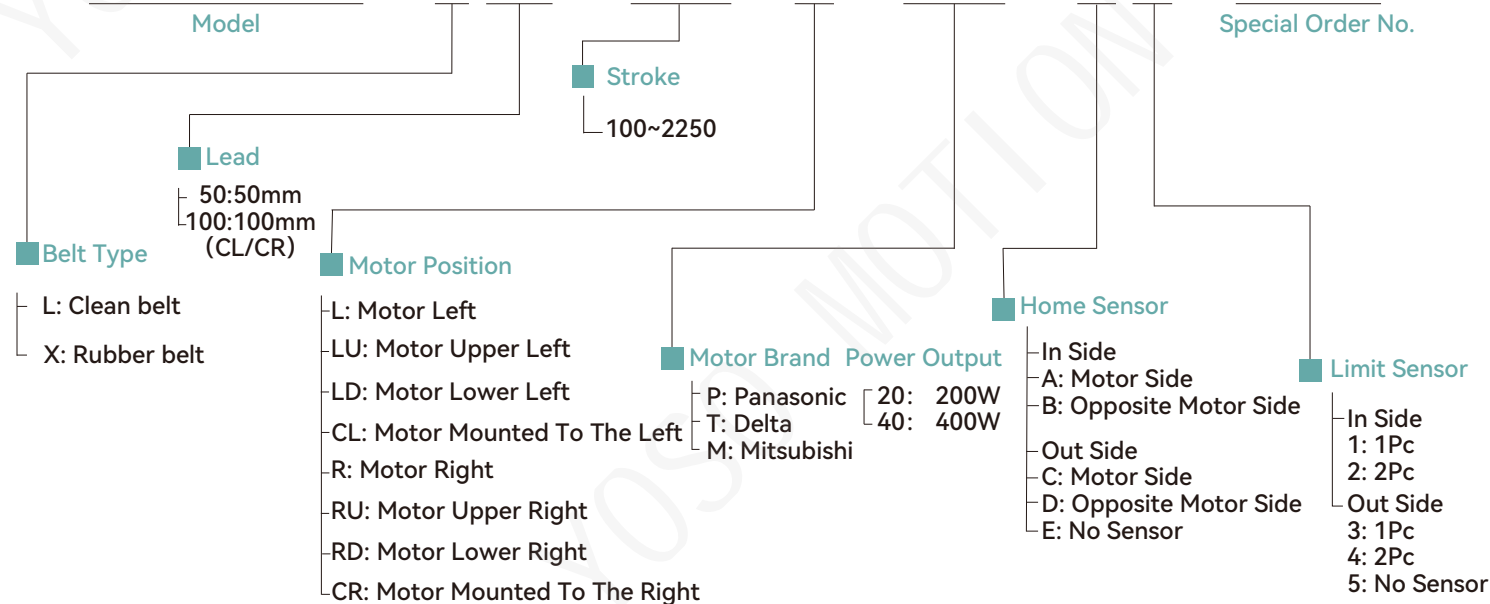
# DECB12B 1-axis



Maximum Stroke **3050mm**    Maximum Speed **5000mm/s**    Motor Output **400W**    Belt Width **25mm**    Linear Guide **15x12.5-2**

### Ordering Method

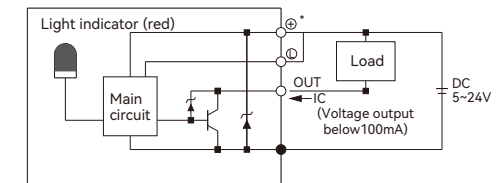
**DECB12B - L 50 - 100 - L - P40 - C 4 - 0001**



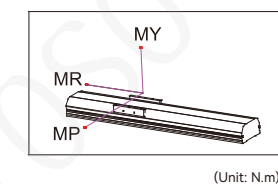
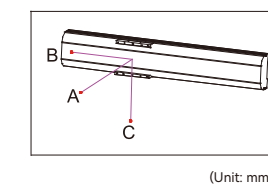
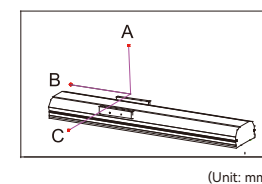
### Specification

Performance	Repeatability (mm)		±0.04	
	Lead (mm)		50	100
	Maximum Speed (mm/s)		2500	5000
	Maximum Payload	Horizontal(kg)	34	17
		Vertical(kg)		
	Rated Thrust (N)		165	85
Stroke Pitch (mm)		100-3050mm/50pitch		
Components	AC Servo Motor Output (w)		400W	
	Belt Width (mm)		25	
	High Rigidity Linear Guide(mm)		15x12.5	
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	10kg	1685	655		493	10kg	493
35kg	770	351	274	35kg	274	351	770
34kg	475	245	152	34kg	152	245	475

### Static Loading Moment

MY	551
MP	509
MR	485

### Suitable Motor Brand

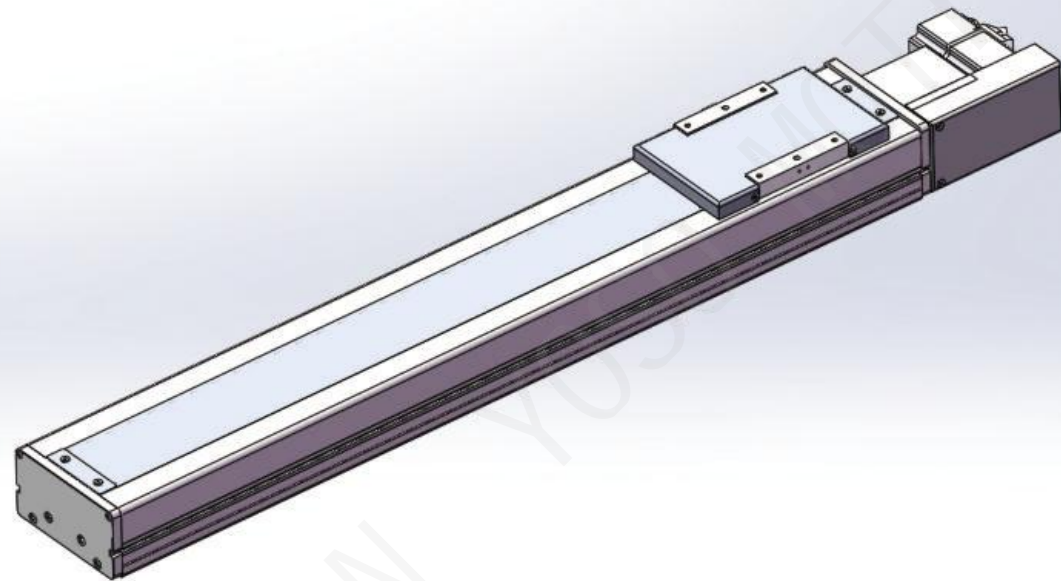
Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
Pansaonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B

1 axis  
DECB  
DECB8  
DECB12  
DECB12B  
DECB14  
DECB17  
DECB22





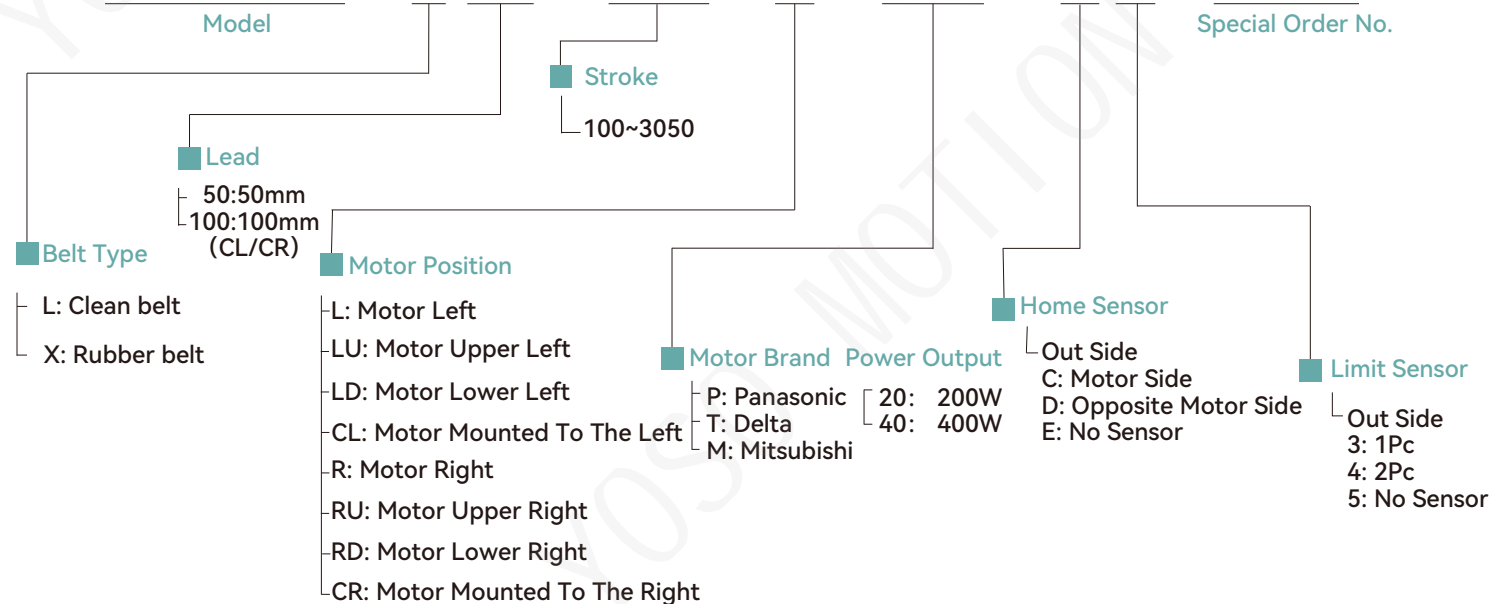
# DECB14 1-axis



Maximum Stroke **3050mm**    Maximum Speed **5000mm/s**    Motor Output **400W**    Belt Width **25mm**    Linear Guide **15x12.5-2**

### Ordering Method

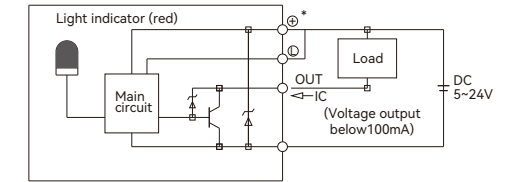
**DECB14 - L 50 - 100 - L - P40 - C 4 - 0001**



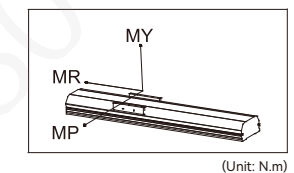
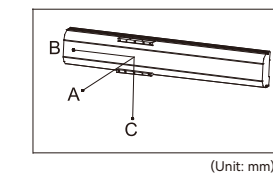
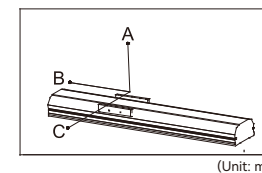
### Specification

Performance	Repeatability (mm)	±0.04		
	Lead (mm)	50	100	
	Maximum Speed (mm/s)	2500	5000	
	Maximum Payload	Horizontal(kg)	40	20
		Vertical(kg)	/	
	Rated Thrust (N)	165	85	
Components	Stroke Pitch (mm)	100-3050mm/50pitch		
	AC Servo Motor Output (w)	400W		
	Belt Width (mm)	25		
	High Rigidity Linear Guide(mm)	15x12.5		
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	10kg	1685	655		535	10kg	535
25kg	770	351	297	25kg	297	351	770
40kg	475	245	165	40kg	165	245	475

Static Loading Moment	
MY	551
MP	552
MR	485

### Suitable Motor Brand

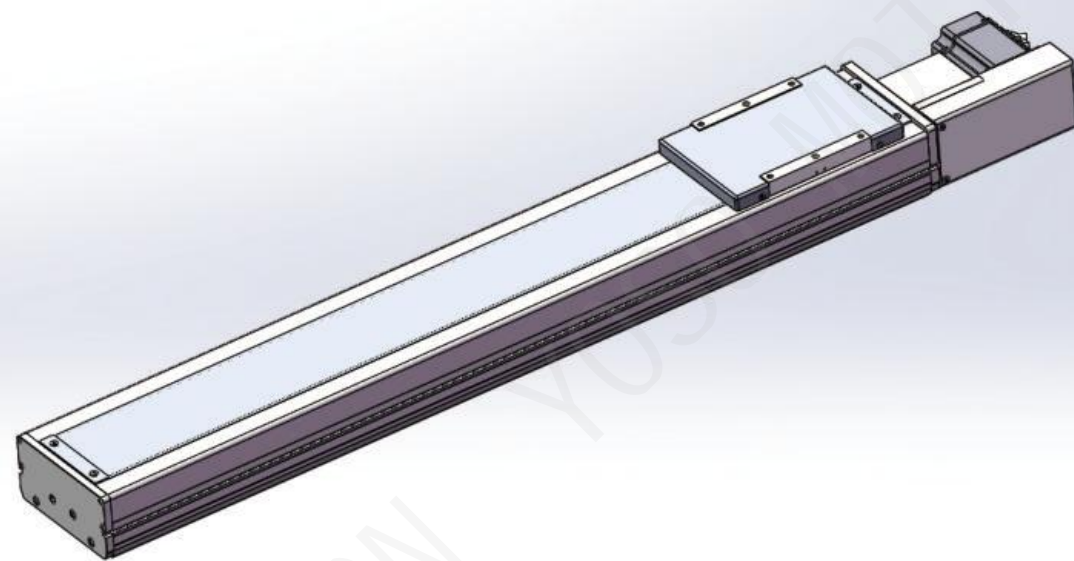
Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B

- 1 axis
- DECB
- DECB8
- DECB12
- DECB12B
- DECB14
- DECB17
- DECB22





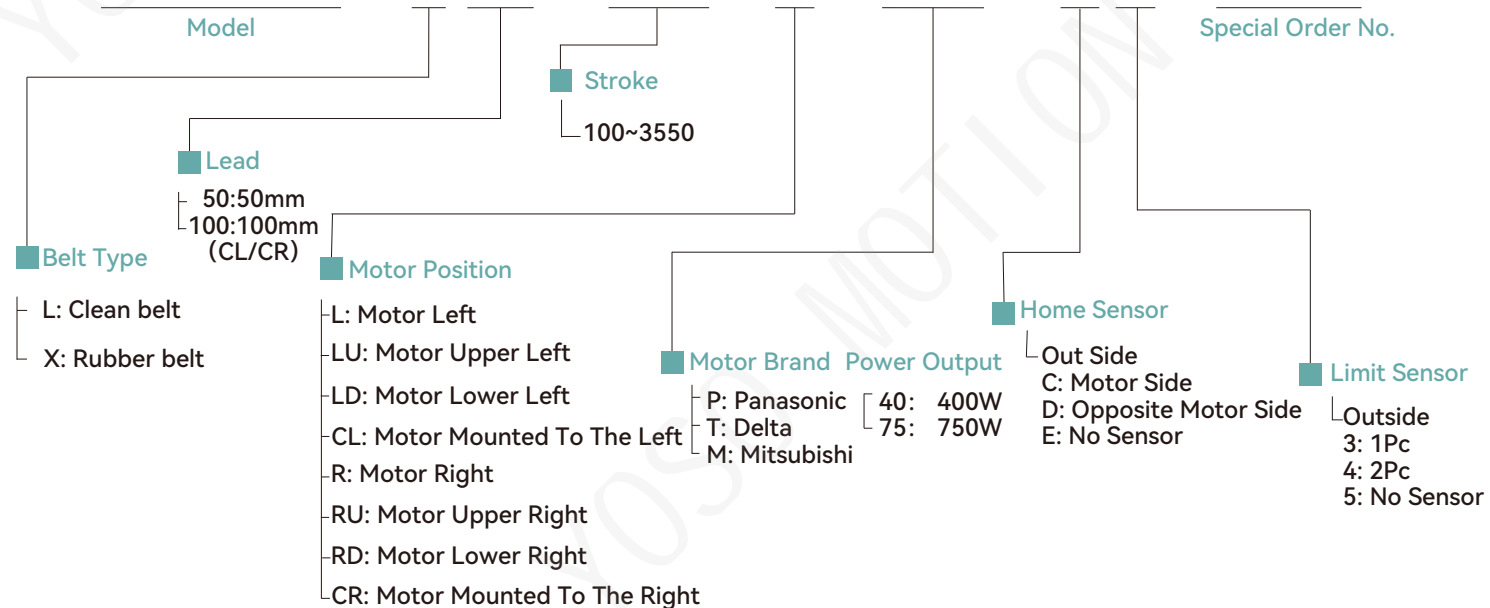
# DECB17 1-axis



Maximum Stroke **3550mm**    Maximum Speed **5000mm/s**    Motor Output **750W**    Belt Width **40mm**    Linear Guide **20x15.5-2**

### Ordering Method

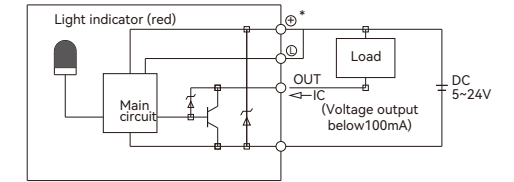
**DECB17 - L 50 - 100 - L - P75 - C 4 - 0001**



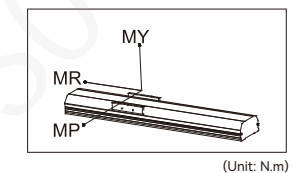
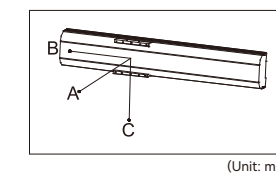
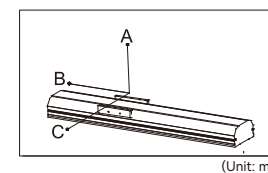
### Specification

Performance	Repeatability (mm)	±0.04		
	Lead (mm)	50	100	
	Maximum Speed (mm/s)	2500	5000	
	Maximum Payload	Horizontal(kg)	60	30
		Vertical(kg)	/	
	Rated Thrust (N)	285	145	
Components	Stroke Pitch (mm)	100-3550mm/50pitch		
	AC Servo Motor Output (w)	750W		
	Belt Width (mm)	40		
	High Rigidity Linear Guide(mm)	20x15.5		
	Home Sensor	Outside	EE-SX672(NPN)	

### Sensor Layout



### Allowable Overhang N.m



Horizontal installation	A	B	C	Wall installation	A	B	C
	10kg	2850	1050		985	10kg	985
25kg	1215	485	425	25kg	425	485	1215
40kg	675	275	245	40kg	245	275	675
60kg	450	135	125	60kg	125	135	450

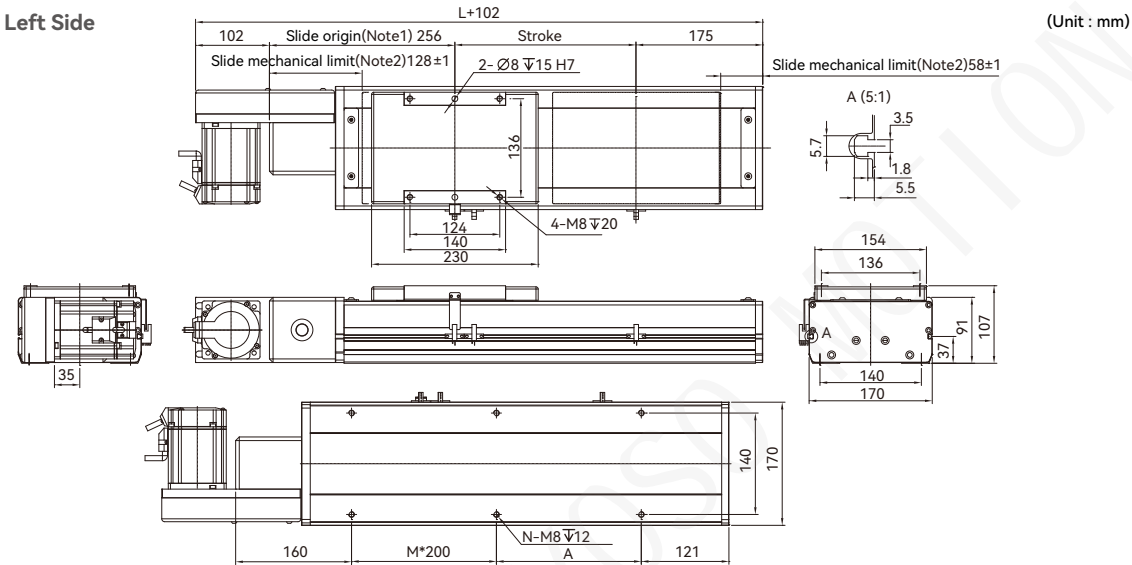
Static Loading Moment	
MY	150
MP	150
MR	130

### Suitable Motor Brand

Brand	Mark	Brake	Watt W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B

- 1 axis
- DECB
- DECB8
- DECB12
- DECB12B
- DECB14
- DECB17
- DECB22

**L Motor Left Side**

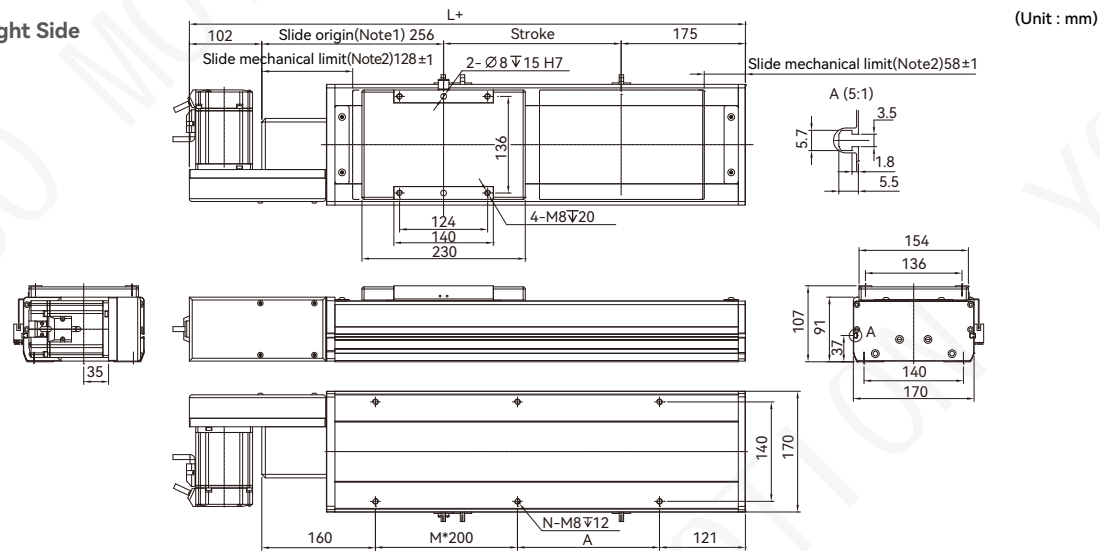


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	
KG	15	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	37.2	38	38.8	39.6	40.4	41.2	42	42.8

Stroke	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550
L	2281	2331	2381	2431	2481	2531	2581	2631	2681	2731	2781	2831	2881	2931	2981	3031	3081	3131	3181	3231	3281	3331	3381	3431	3481	3531	3581	3631	3681	3731	3781	3831	3881	3931	3981
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18	
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
KG	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	70.8

**R Motor Right Side**

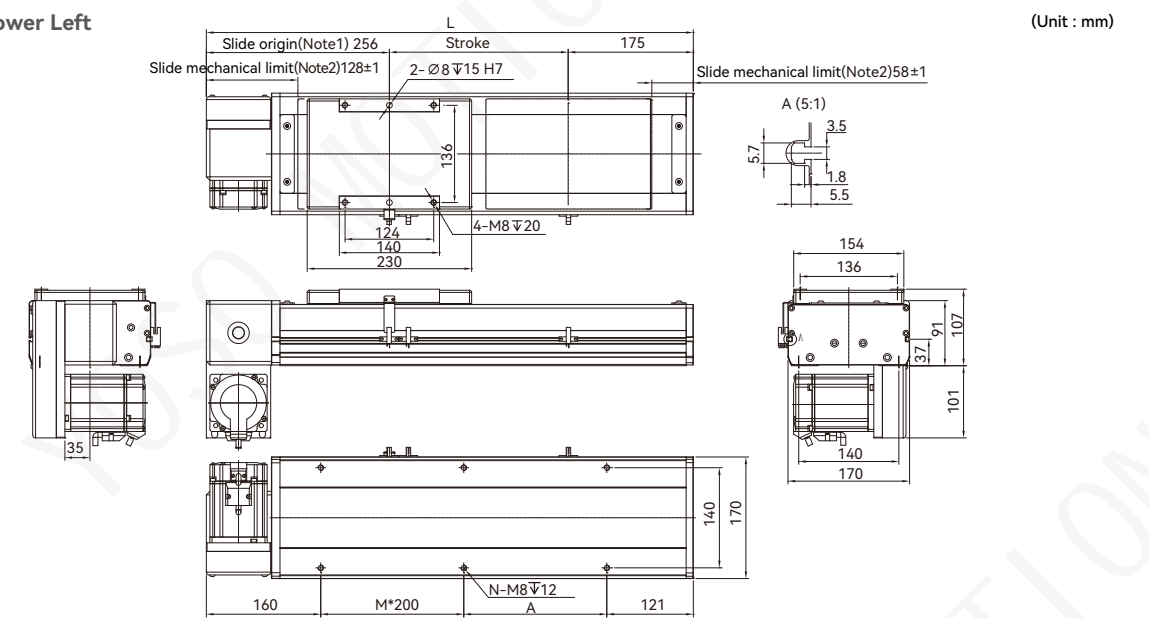


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	
KG	15	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	37.2	38	38.8	39.6	40.4	41.2	42	42.8

Stroke	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550
L	2281	2331	2381	2431	2481	2531	2581	2631	2681	2731	2781	2831	2881	2931	2981	3031	3081	3131	3181	3231	3281	3331	3381	3431	3481	3531	3581	3631	3681	3731	3781	3831	3881	3931	3981
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18	
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
KG	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	70.8

**LD Motor Lower Left**

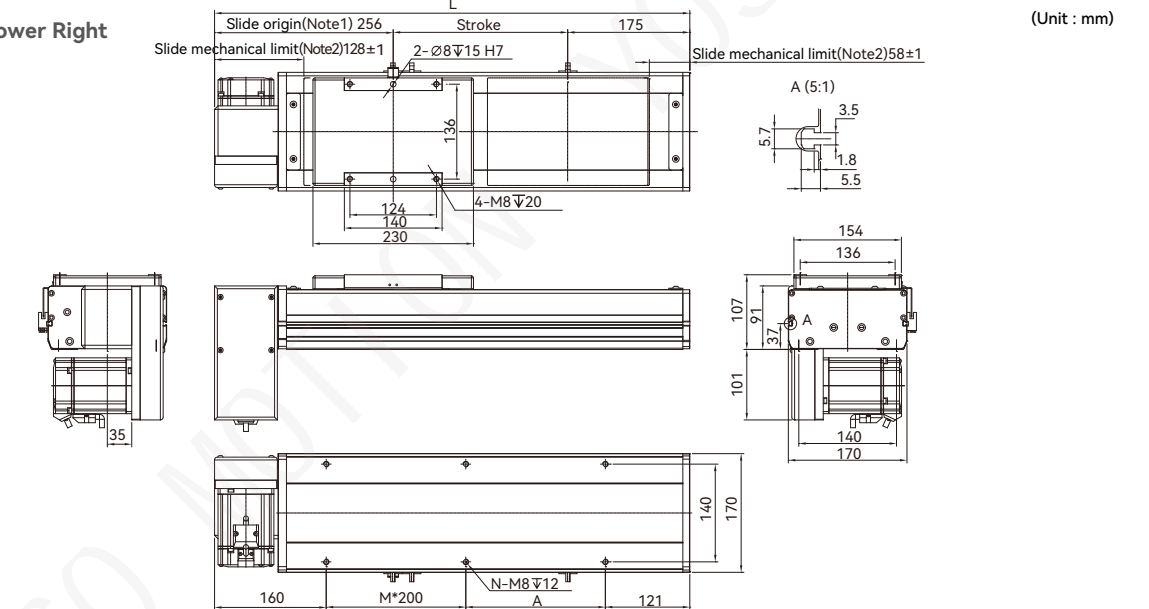


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	15	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	37.2	38	38.8	39.6	40.4	41.2	42	42.8

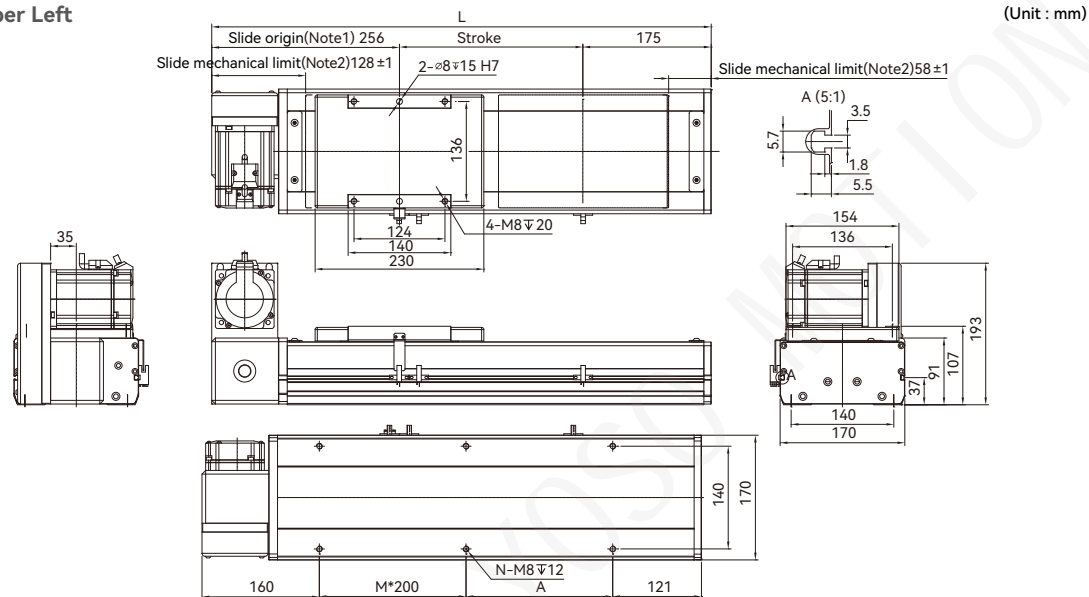
Stroke	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550
L	2281	2331	2381	2431	2481	2531	2581	2631	2681	2731	2781	2831	2881	2931	2981	3031	3081	3131	3181	3231	3281	3331	3381	3431	3481	3531	3581	3631	3681	3731	3781	3831	3881	3931	3981
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
KG	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	70.8

**RD Motor Lower Right**



Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100																																	

## LU Motor Upper Left

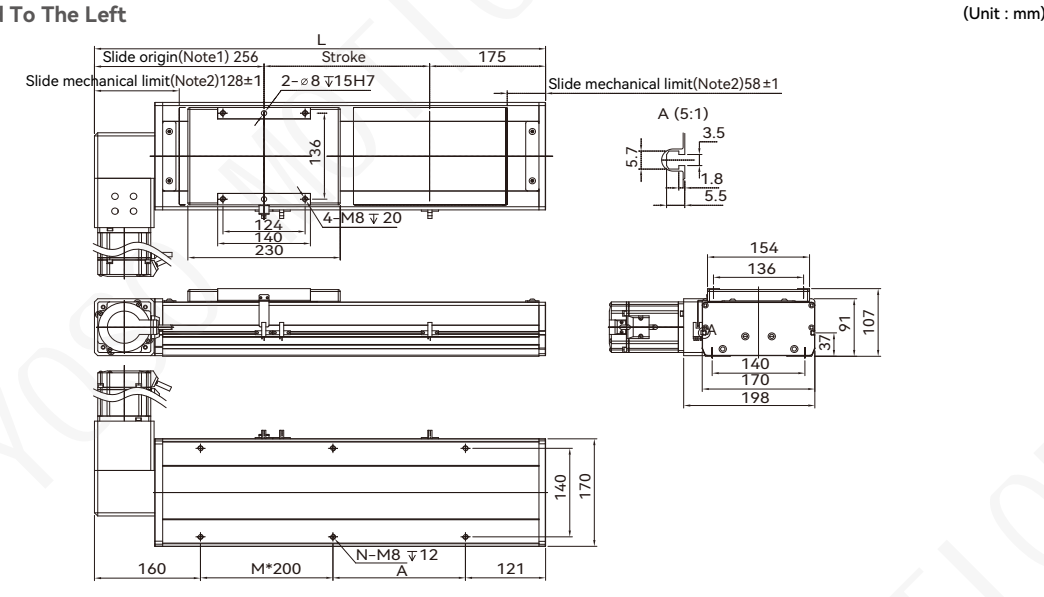


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	15	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	37.2	38	38.8	39.6	40.4	41.2	42	42.8

Stroke	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550
L	2281	2331	2381	2431	2481	2531	2581	2631	2681	2731	2781	2831	2881	2931	2981	3031	3081	3131	3181	3231	3281	3331	3381	3431	3481	3531	3581	3631	3681	3731	3781	3831	3881	3931	3981
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
KG	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	70.8

## CL Motor Mounted To The Left

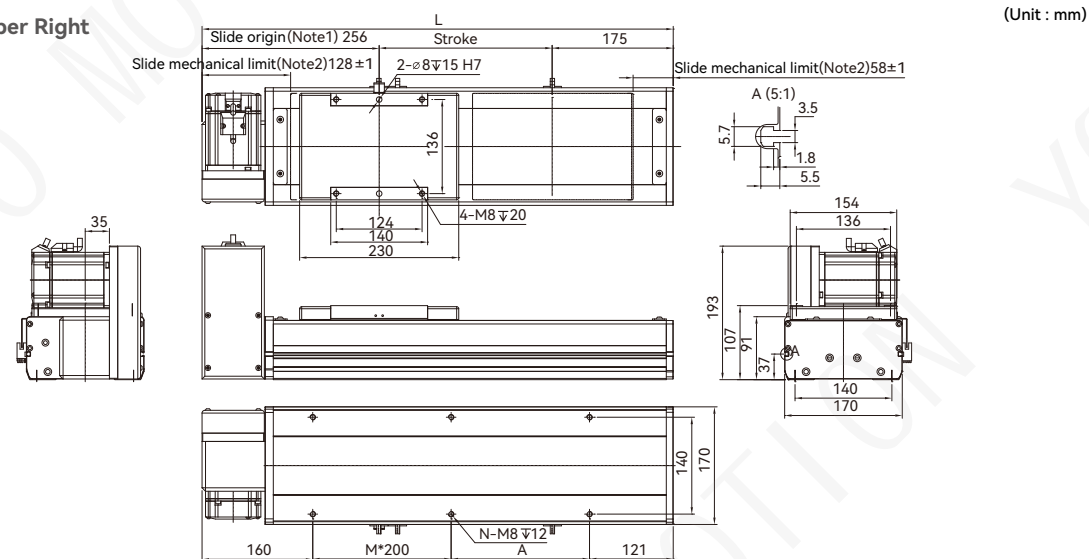


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	15	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	37.2	38	38.8	39.6	40.4	41.2	42	42.8

Stroke	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550
L	2281	2331	2381	2431	2481	2531	2581	2631	2681	2731	2781	2831	2881	2931	2981	3031	3081	3131	3181	3231	3281	3331	3381	3431	3481	3531	3581	3631	3681	3731	3781	3831	3881	3931	3981
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
KG	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	70.8

## RU Motor Upper Right

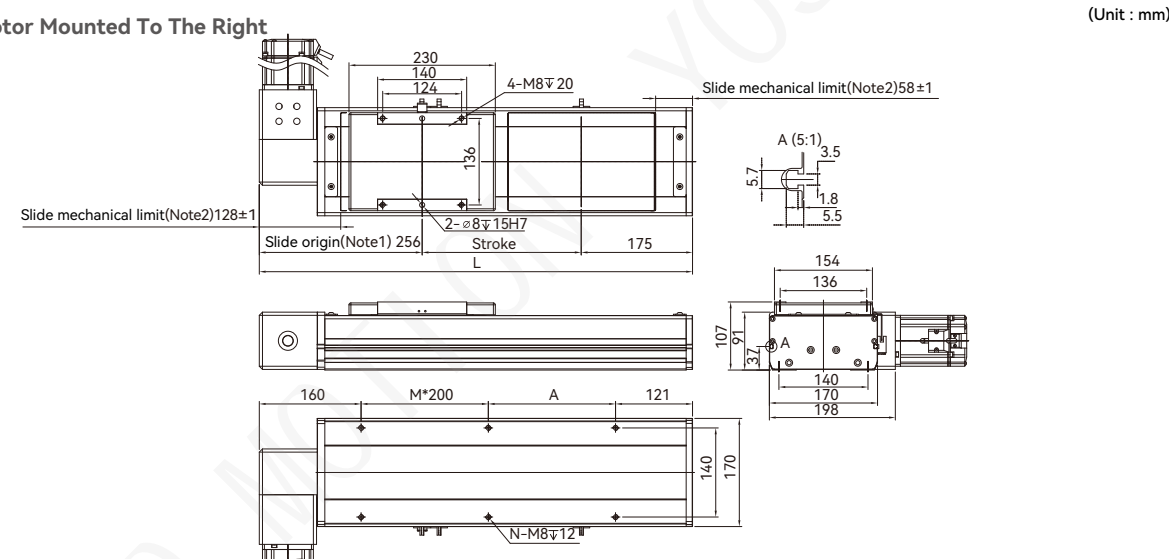


Stroke	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	15	16.8	17.6	18.4	19.1	19.9	20.7	21.5	22.2	23	23.8	24.6	25.3	26.1	26.9	27.7	28.4	29.2	30	30.8	31.6	32.4	33.2	34	34.8	35.6	36.4	37.2	38	38.8	39.6	40.4	41.2	42	42.8

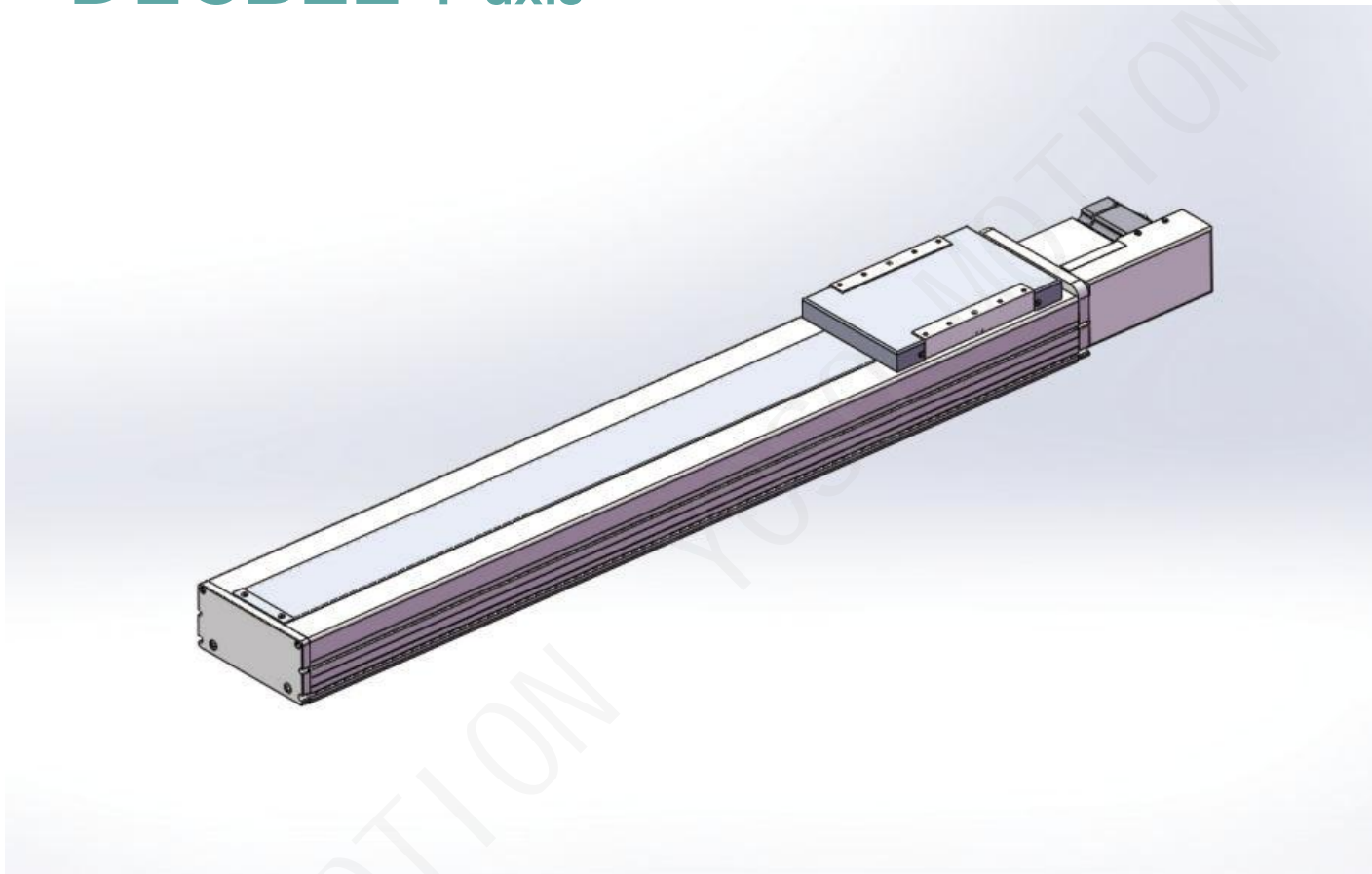
Stroke	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400	3450	3500	3550
L	2281	2331	2381	2431	2481	2531	2581	2631	2681	2731	2781	2831	2881	2931	2981	3031	3081	3131	3181	3231	3281	3331	3381	3431	3481	3531	3581	3631	3681	3731	3781	3831	3881	3931	3981
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	18
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40	40
KG	43.6	44.4	45.2	46	46.8	47.6	48.4	49.2	50	50.8	51.6	52.4	53.2	54	54.8	55.6	56.4	57.2	58	58.8	59.6	60.4	61.2	62	62.8	63.6	64.4	65.2	66	66.8	67.6	68.4	69.2	70	70.8

## CR Motor Mounted To The Right



Stroke	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	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800
L	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531	1581	1631	1681	1731	1781	1831	1881	1931	1981	2031	2081	2131	2181	2231
A	50	100	150	200	50	100	150	200	50	100	150																								

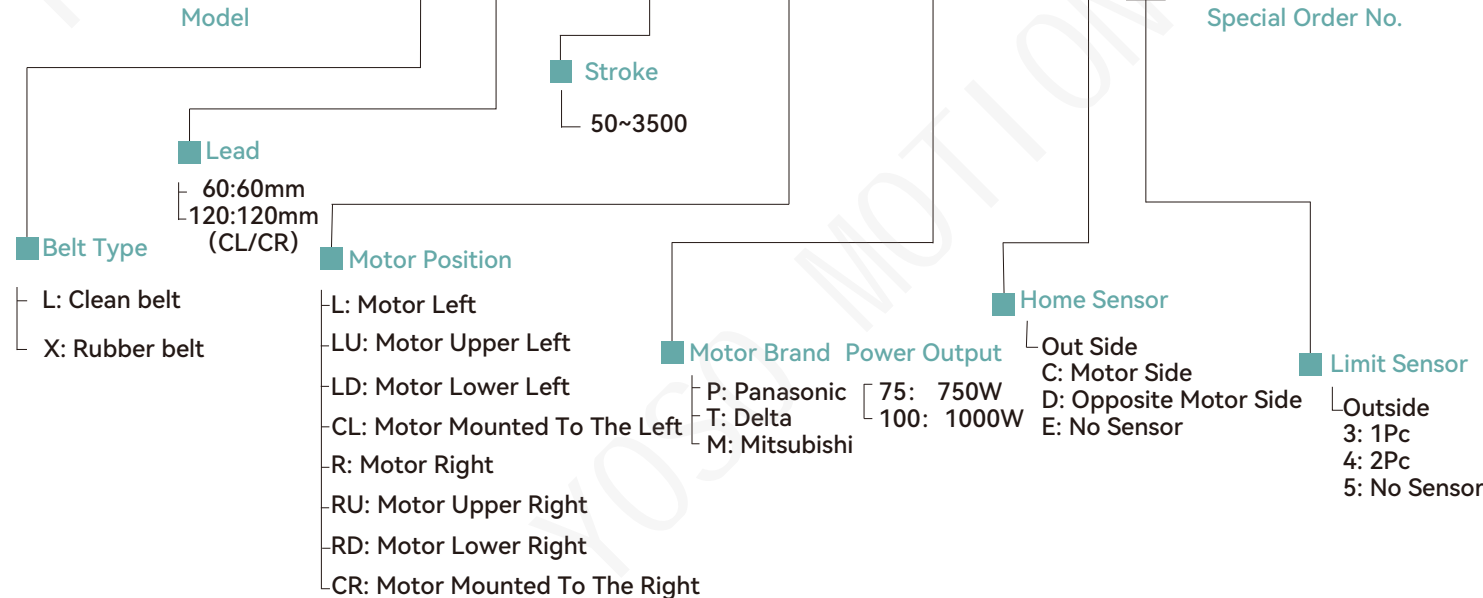
# DECB22 1-axis



Maximum Stroke **3500mm**
Maximum Speed **6000mm/s**
Motor Output **750W**
Belt Width **50mm**
Linear Guide **23x18-2**

### Ordering Method

**DECB22 - L 60 - 100 - L - M75 - C 4 - 0001**

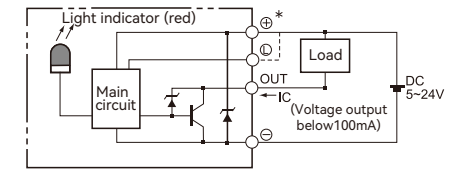


### Specification

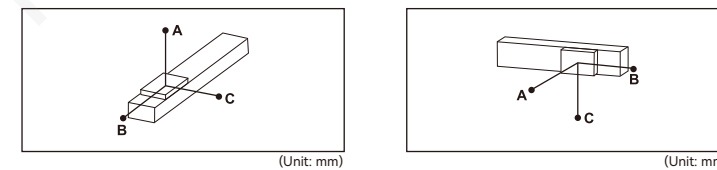
Performance	Repeatability (mm)		±0.04	
	Lead (mm)		60mm	120mm
	Maximum Speed (mm/s)		3000	6000
	Maximum Payload	Horizontal(kg)	85	42
		Vertical(kg)		
	Rated Thrust (N)		560	280
Stroke Pitch (mm)		50-3500mm/50pitch		
Components	AC Servo Motor Output (w)		750W	
	Belt Width (mm)		50	
	High Rigidity Linear Guide(mm)		W23×H18	
	Home Sensor	Outside	EE-SX672(NPN)	

\*Acceleration and deceleration value is set 0.4 second.

### Sensor Layout

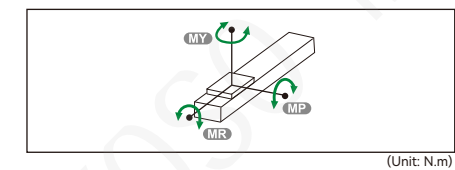


### Allowable Overhang



Horizontal installation	A	B	C	Wall installation	A	B	C
	45kg	1588	600		349	40kg	500
65kg	1052	328	285	60kg	315	430	1152
85kg	768	281	206	85kg	206	281	768

### Static Loading Moment



Static Loading Moment	
MY	2052
MP	2052
MR	1810

\*The torque value in the chart indicate the center of gravity.  
 \*Operation life is 10,000km when the product is using under the specified conditions.  
 \*The steel strip cover may deformed when the actuator length is over 1000mm, Horizontal application is recommend.

### Suitable Motor Brand

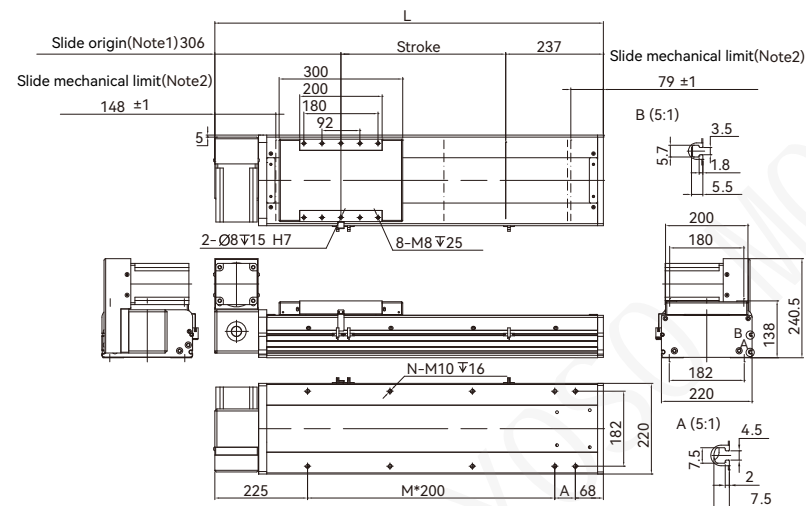
Brand	Mark	Brake	Watp W	AC-Voltage AC-V	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
Pansaonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B

1 axis  
 DECB  
 DECB8  
 DECB12  
 DECB12B  
 DECB14  
 DECB17  
 DECB22



## LU Motor Upper Left

(Unit : mm)



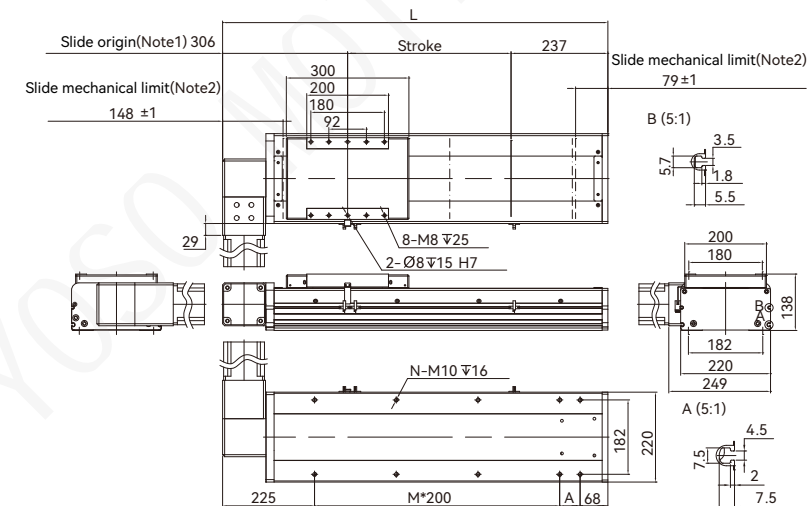
Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	2143	2193	2243
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	31.8	33	34.2	35.4	36.6	37.8	39	40.2	41.4	42.6	43.8	45	46.2	47.4	48.6	49.8	51	52.2	53.4	54.6	55.8	57	58.2	59.4	60.6	61.8	63	64.2	65.4	66.6	67.8	69	70.2	71.4

Stroke	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400
L	2293	2343	2393	2443	2493	2543	2593	2643	2693	2743	2793	2843	2893	2943	2993	3043	3093	3143	3193	3243	3293	3343	3393	3443	3493	3543	3593	3643	3693	3743	3793	3843	3893	3943
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40
KG	72.6	73.8	75	76.2	77.4	78.6	79.8	81	82.2	83.4	84.6	85.8	87	88.2	89.4	90.6	91.8	93	94.2	95.4	96.6	97.8	99	100.2	101.4	102.6	103.8	105	106.2	107.4	108.6	109.8	111	112.2

## CL Motor Mounted To The Left

(Unit : mm)



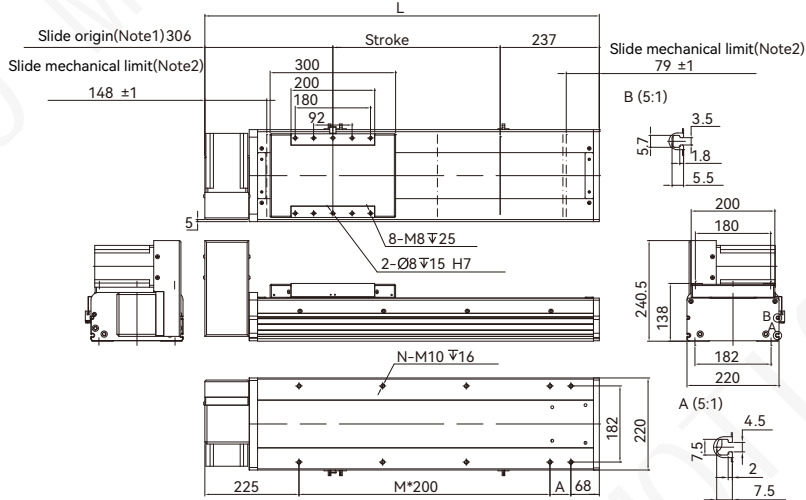
Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	2143	2193	2243
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	31.8	33	34.2	35.4	36.6	37.8	39	40.2	41.4	42.6	43.8	45	46.2	47.4	48.6	49.8	51	52.2	53.4	54.6	55.8	57	58.2	59.4	60.6	61.8	63	64.2	65.4	66.6	67.8	69	70.2	71.4

Stroke	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400
L	2293	2343	2393	2443	2493	2543	2593	2643	2693	2743	2793	2843	2893	2943	2993	3043	3093	3143	3193	3243	3293	3343	3393	3443	3493	3543	3593	3643	3693	3743	3793	3843	3893	3943
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40
KG	72.6	73.8	75	76.2	77.4	78.6	79.8	81	82.2	83.4	84.6	85.8	87	88.2	89.4	90.6	91.8	93	94.2	95.4	96.6	97.8	99	100.2	101.4	102.6	103.8	105	106.2	107.4	108.6	109.8	111	112.2

## RU Motor Upper Right

(Unit : mm)



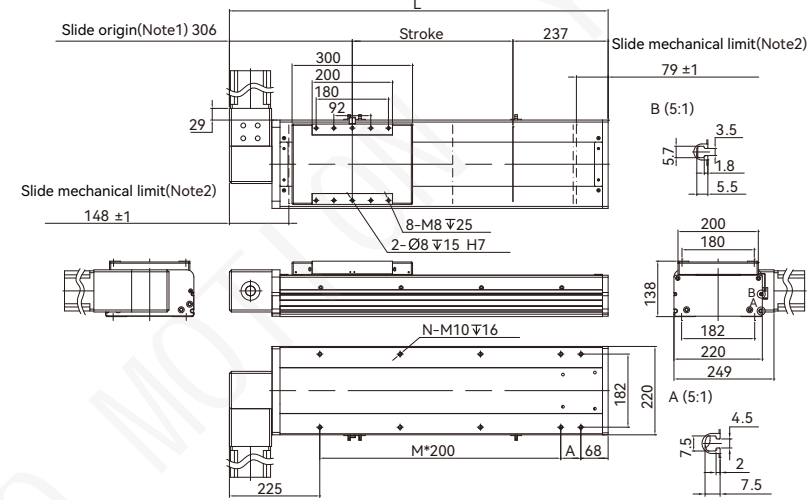
Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	2143	2193	2243
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9
N	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22
KG	31.8	33	34.2	35.4	36.6	37.8	39	40.2	41.4	42.6	43.8	45	46.2	47.4	48.6	49.8	51	52.2	53.4	54.6	55.8	57	58.2	59.4	60.6	61.8	63	64.2	65.4	66.6	67.8	69	70.2	71.4

Stroke	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400	2450	2500	2550	2600	2650	2700	2750	2800	2850	2900	2950	3000	3050	3100	3150	3200	3250	3300	3350	3400
L	2293	2343	2393	2443	2493	2543	2593	2643	2693	2743	2793	2843	2893	2943	2993	3043	3093	3143	3193	3243	3293	3343	3393	3443	3493	3543	3593	3643	3693	3743	3793	3843	3893	3943
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50
M	9	10	10	10	10	11	11	11	11	12	12	12	12	13	13	13	13	14	14	14	15	15	15	15	16	16	16	16	17	17	17	17	18	
N	22	24	24	24	24	26	26	26	26	28	28	28	28	30	30	30	30	32	32	32	32	34	34	34	34	36	36	36	36	38	38	38	38	40
KG	72.6	73.8	75	76.2	77.4	78.6	79.8	81	82.2	83.4	84.6	85.8	87	88.2	89.4	90.6	91.8	93	94.2	95.4	96.6	97.8	99	100.2	101.4	102.6	103.8	105	106.2	107.4	108.6	109.8	111	112.2

## CR Motor Mounted To The Right

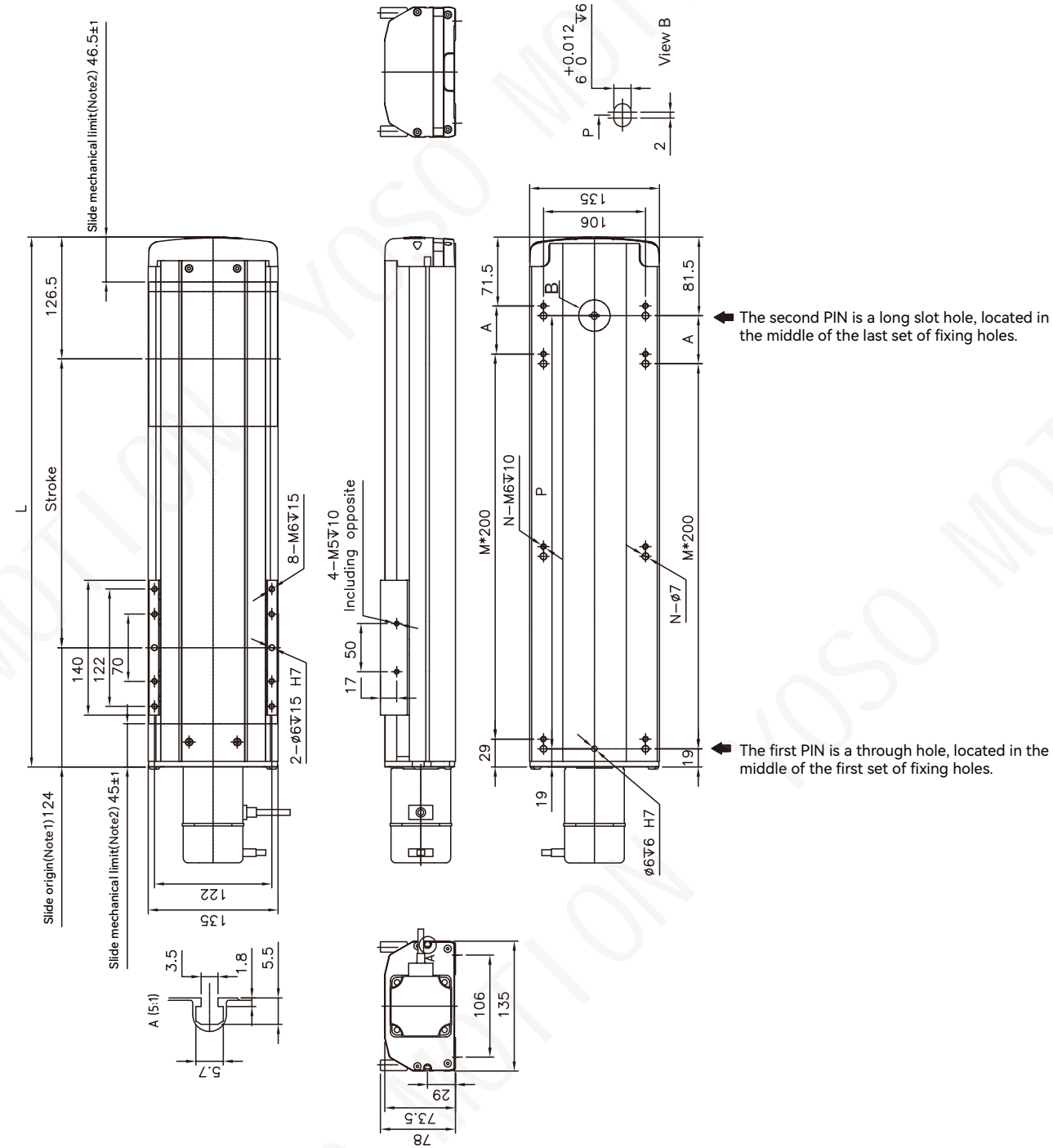
(Unit : mm)



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	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043				

# Standard PIN Hole Diagram

## Standard PIN Hole Diagram DETH,DECH,DETB,DECB



MEMO

Blank area for notes or additional information.

MEMO

# DK Series

European scale group silent belt model

## CONTENTS

European scale group silent belt model

P89 Small DK30		Width	30mm
		Max.stroke	2000mm
		Max.payload	3kg
		Max.speed	1.5m/s

P105 Medium DK50N		Width	50mm
		Max.stroke	4000mm
		Max.payload	25kg
		Max.speed	2m/s

P91 Small DK40		Width	40mm
		Max.stroke	4000mm
		Max.payload	10kg
		Max.speed	1.5m/s

P109 Medium DK60N		Width	60mm
		Max.stroke	4000mm
		Max.payload	40kg
		Max.speed	2m/s

P95 Small DK45		Width	45mm
		Max.stroke	4000mm
		Max.payload	15kg
		Max.speed	1.5m/s

P113 Medium DK80N		Width	80mm
		Max.stroke	4000mm
		Max.payload	60kg
		Max.speed	2m/s

P99 Medium DK50		Width	50mm
		Max.stroke	4000mm
		Max.payload	20kg
		Max.speed	2m/s

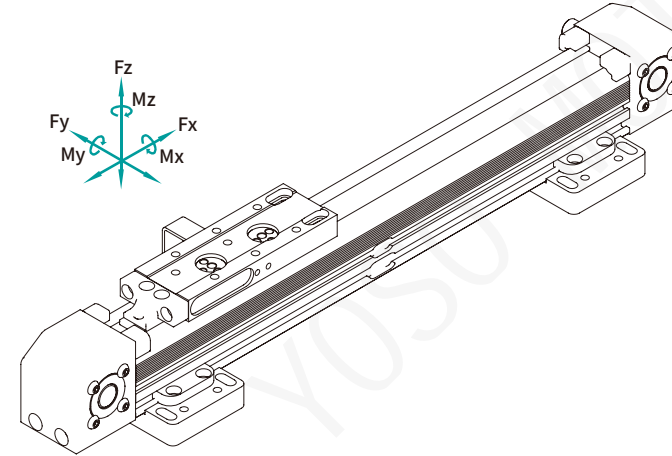
P101 Medium DK60		Width	60mm
		Max.stroke	4000mm
		Max.payload	25kg
		Max.speed	2m/s

# DK30



- Maximum Stroke** 2000mm
- Rail Beam Width** 30mm
- Maximum Speed** 1.5m/s
- Module Lead** 54mm
- Belt Width** 15mm

## Module Technical Parameters



Model	DK30-H03	
Calibrated Load of Slider	Fx max (N)	100
	Fy max (N)	180
	Fz max (N)	210
	Mx max (N.M)	4
	My max (N.M)	5
	Mz max (N.M)	2

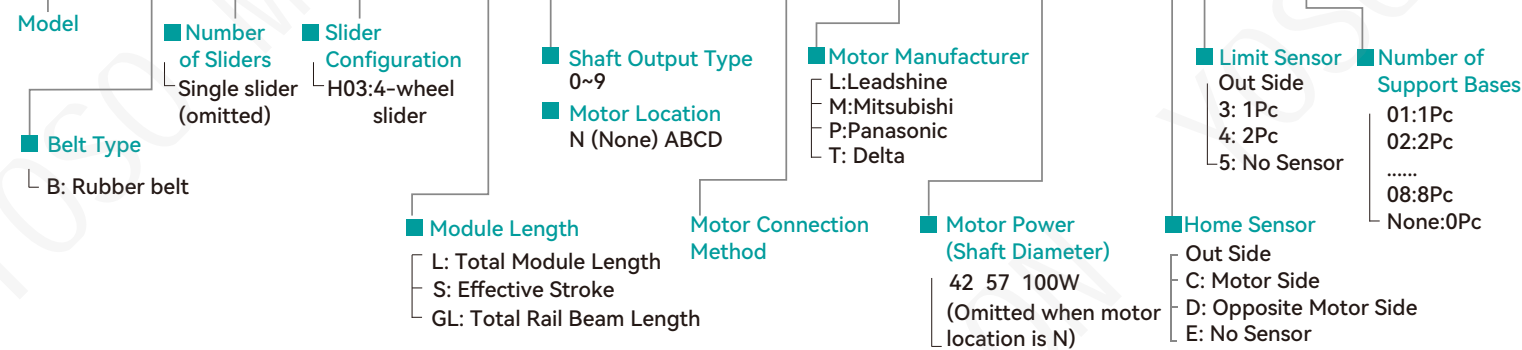
System Load Factor  $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$

To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).

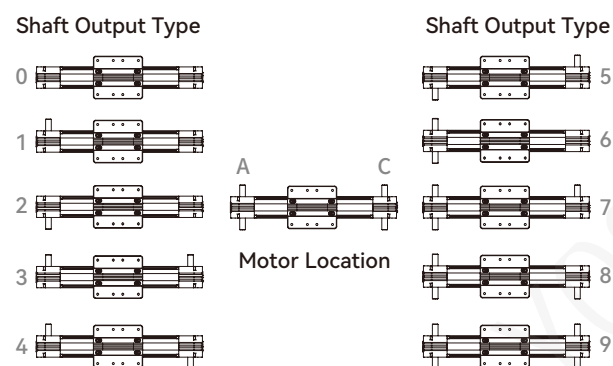
Width	30mm	Module Lead	54mm	Operating Temperature	-30°C~60°C
Max. Load	3KG	Timing Pulley Specification	HTD3M Number of teeth18	Basic Mass(at Stroke = 0mm)	0.5KG
Customizable Stroke	≤2000mm	Timing Belt Specification	HTD3M Width15mm	Mass Change per 100mm Stroke	0.12KG
Linear Speed	≤1.5m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤2N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(42/57)

## Ordering Method

DK30 B - 2H03 - S300 - 1A - MR - L 57(08) - E5 - 01



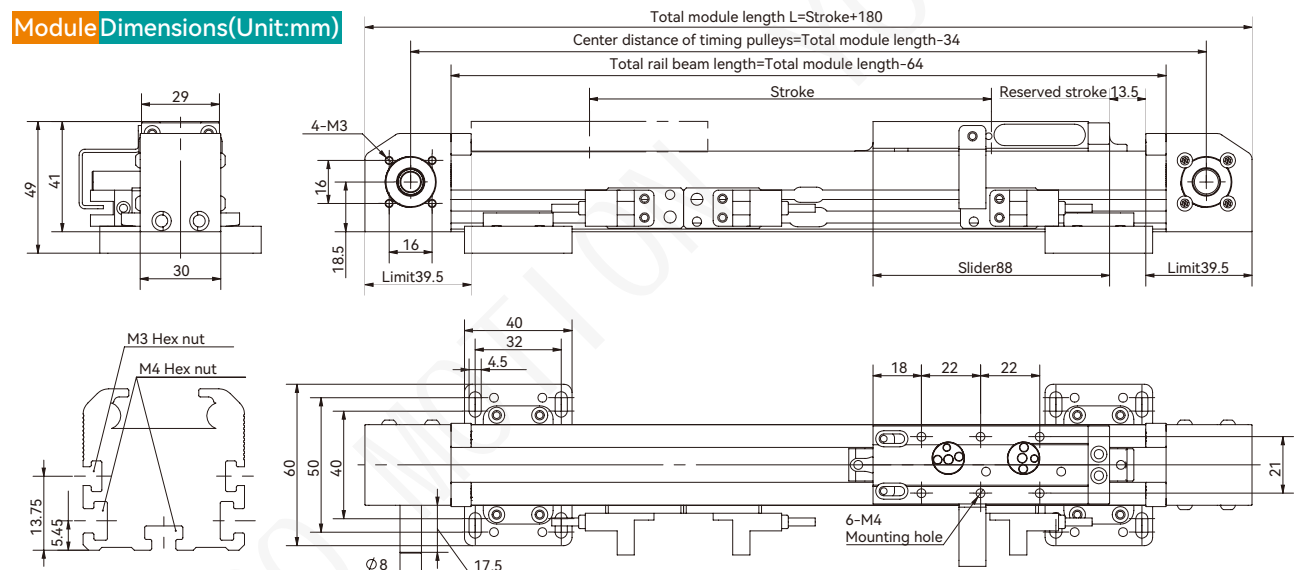
## Shaft Output Type&Motor Location



## Motor Connection Method



## Module Dimensions(Unit:mm)



Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	280	380	480	580	680	780	880	980	1080	1180	1280	1380	1480	1580	1680	1780	1880	1980	2080	2180
KG	0.62	0.74	0.86	0.98	1.1	1.22	1.34	1.46	1.58	1.7	1.82	1.94	2.06	2.18	2.3	2.42	2.54	2.66	2.78	2.9
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2280	2380	2480	2580	2680	2780	2880	2980	3080	3180	3280	3380	3480	3580	3680	3780	3880	3980	4080	4180
KG	3.02	3.14	3.26	3.38	3.5	3.62	3.74	3.86	3.98	4.1	4.22	4.34	4.46	4.58	4.7	4.82	4.94	5.06	5.18	5.3

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

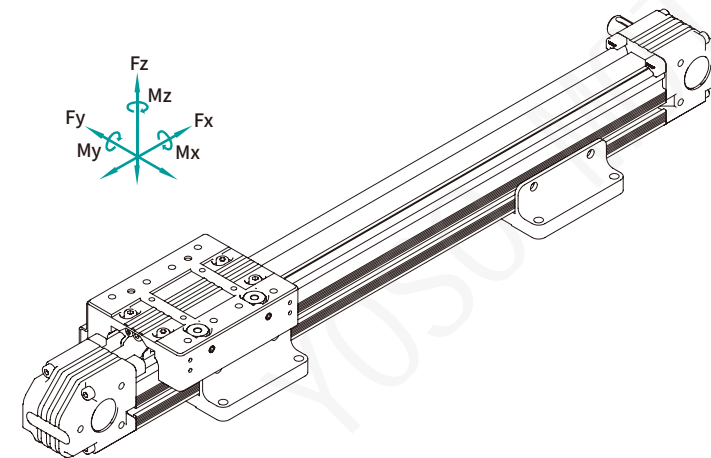
1 axis  
DK  
DK30  
DK40  
DK45  
DK50  
DK60

# DK40



- Maximum Stroke** 4000mm
- Rail Beam Width** 40mm
- Maximum Speed** 1.5m/s
- Module Lead** 75mm
- Belt Width** 15mm

## Module Technical Parameters



Model	DK40-H05	
Calibrated Load of Slider	Fx max (N)	200
	Fy max (N)	370
	Fz max (N)	429
	Mx max (N.M)	8
	My max (N.M)	9.5
	Mz max (N.M)	4

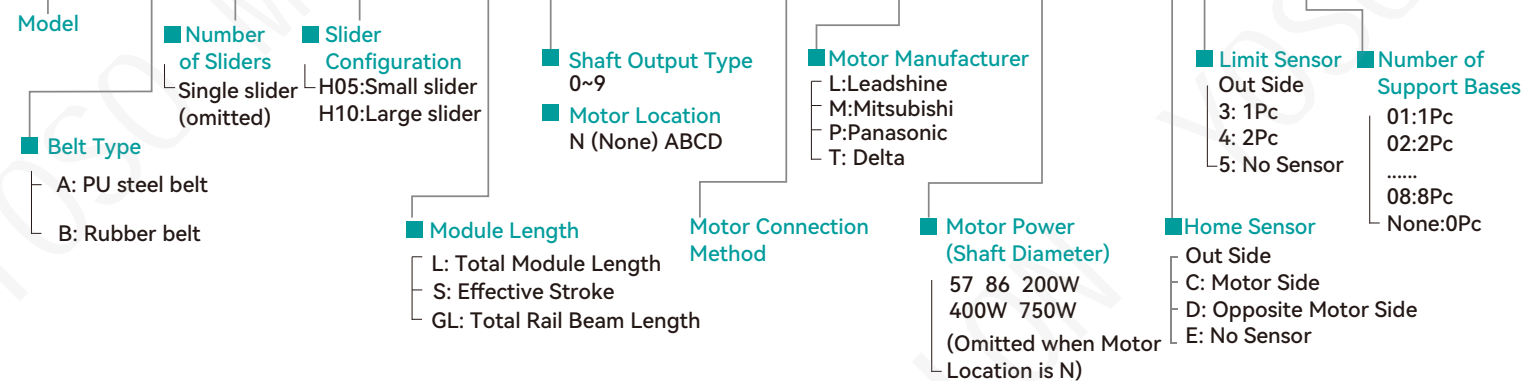
System Load Factor  $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$

To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).

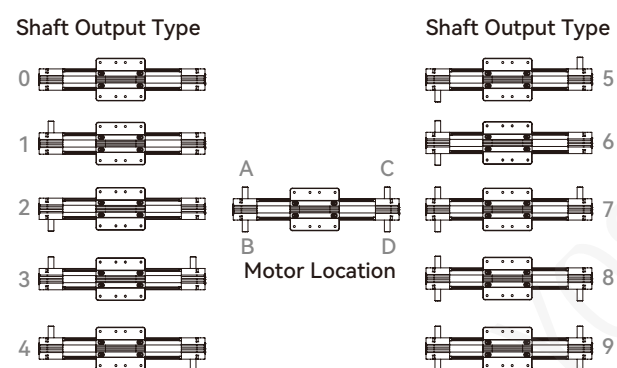
Width	40mm	Module Lead	75mm	Operating Temperature	-30°C~60°C
Max. Load	5KG	Timing Pulley Specification	HTD3M Number of teeth25	Basic Mass(at Stroke = 0mm)	1KG
Customizable Stroke	≤4000mm	Timing Belt Specification	HTD3M Width15mm	Mass Change per 100mm Stroke	0.2KG
Linear Speed	≤1.5m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤3N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

## Ordering Method

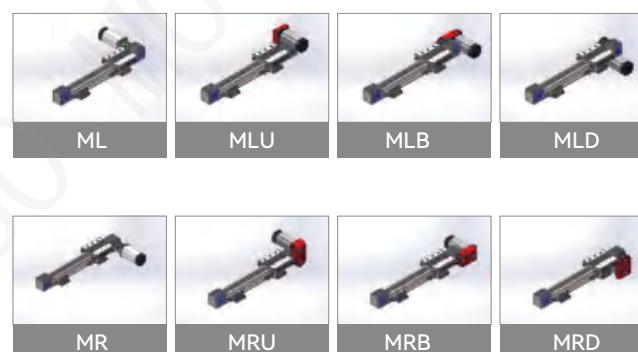
DK40 A - 2H05 - S300 - 1A - MR - L 57(08) - E5 - 01



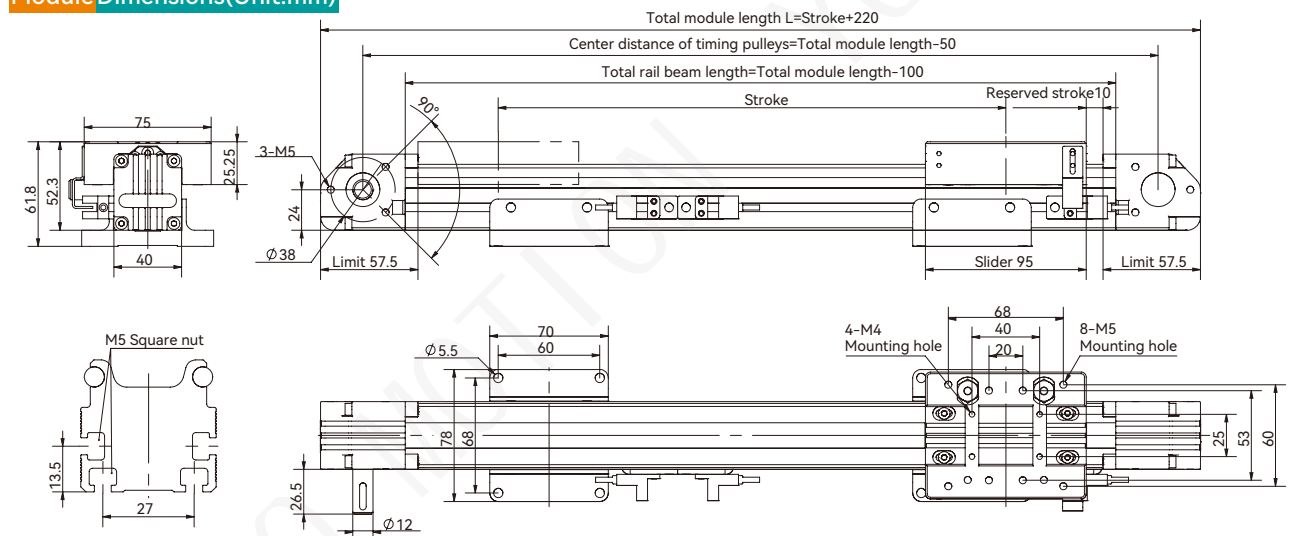
## Shaft Output Type&Motor Location



## Motor Connection Method



## Module Dimensions(Unit:mm)



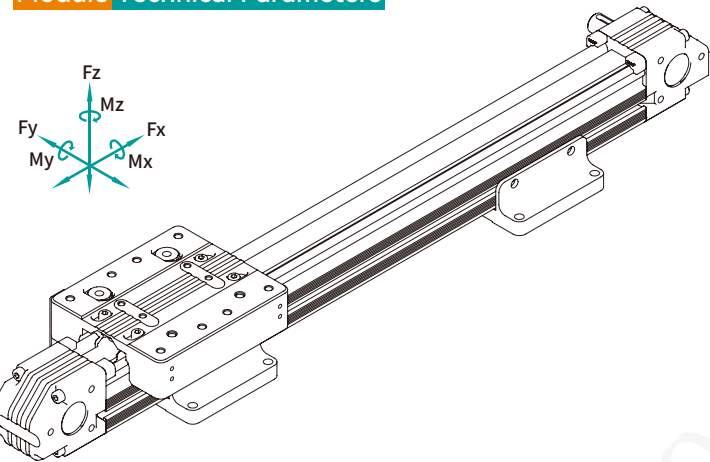
Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	320	420	520	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120	2220
KG	1.2	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2320	2420	2520	2620	2720	2820	2920	3020	3120	3220	3320	3420	3520	3620	3720	3820	3920	4020	4120	4220
KG	5.2	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.2	7.4	7.6	7.8	8	8.2	8.4	8.6	8.8	9

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

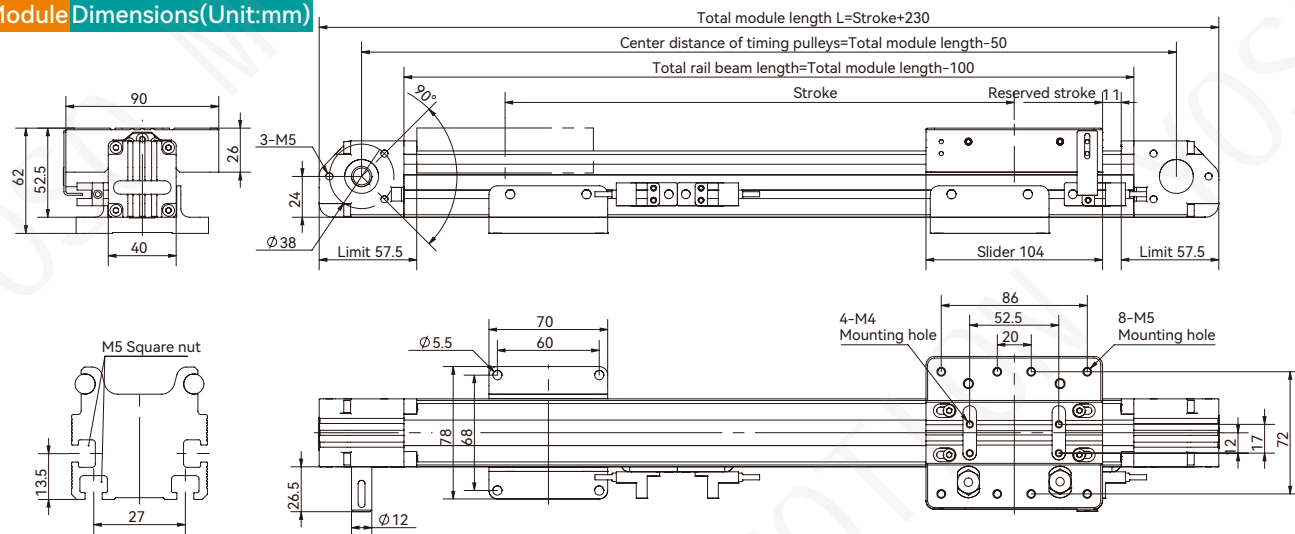
Module Technical Parameters



Model	DK40-H10	
Calibrated Load of Slider	Fx max (N)	200
	Fy max (N)	655
	Fz max (N)	762
	Mx max (N.M)	14.5
	My max (N.M)	23
	Mz max (N.M)	10
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

Width	40mm	Module Lead	75mm	Operating Temperature	-30°C~60°C
Max. Load	10KG	Timing Pulley Specification	HTD3M Number of teeth25	Basic Mass(at Stroke = 0mm)	1.1KG
Customizable Stroke	≤4000mm	Timing Belt Specification	HTD3M Width15mm	Mass Change per 100mm Stroke	0.2KG
Linear Speed	≤1.5m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤3N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

Module Dimensions(Unit:mm)



Note: The following weights do not include the motor and other accessories.

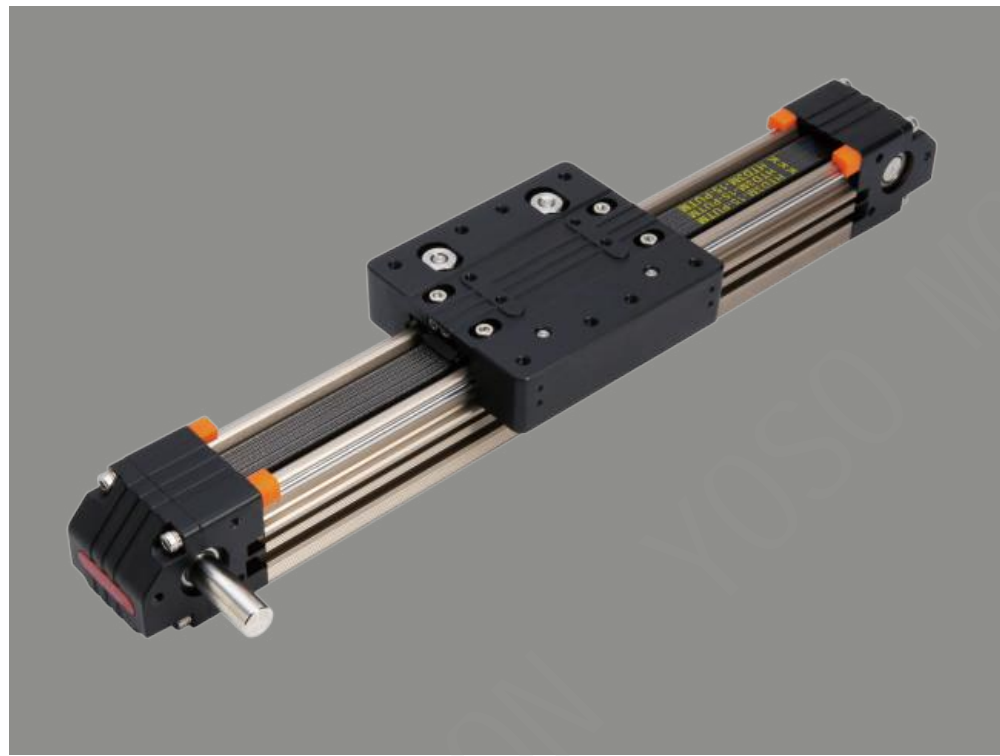
Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	330	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230
KG	1.3	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2330	2430	2530	2630	2730	2830	2930	3030	3130	3230	3330	3430	3530	3630	3730	3830	3930	4030	4130	4230
KG	5.3	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

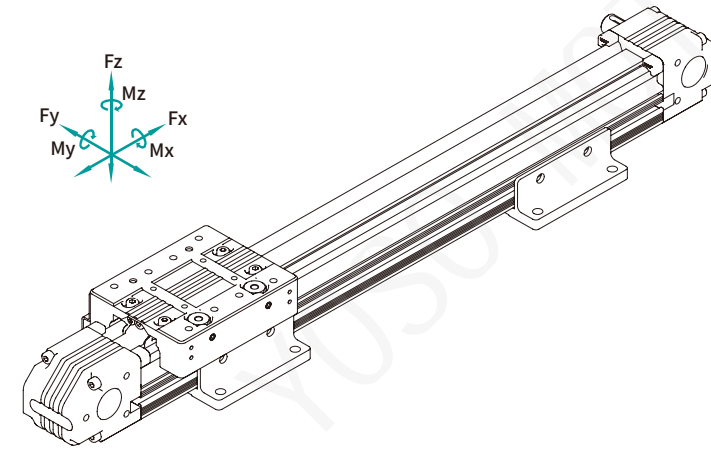
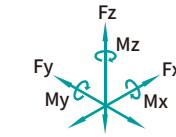
MEMO

# DK45



- Maximum Stroke** 4000mm
- Rail Beam Width** 45mm
- Maximum Speed** 1.5m/s
- Module Lead** 75mm
- Belt Width** 15mm

## Module Technical Parameters

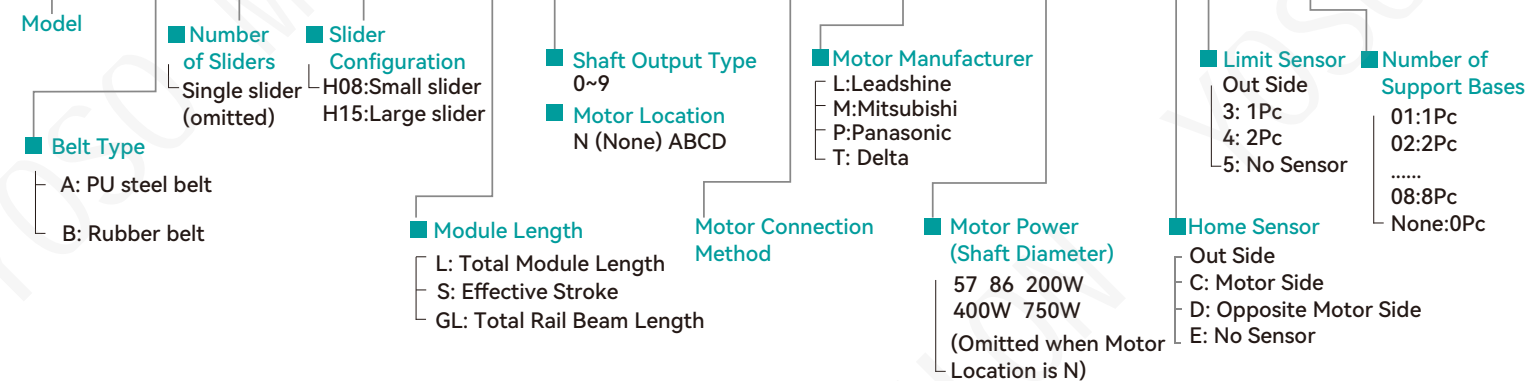


Model	DK45-H08	
Calibrated Load of Slider	Fx max (N)	200
	Fy max (N)	370
	Fz max (N)	429
	Mx max (N.M)	8
	My max (N.M)	9.5
	Mz max (N.M)	4
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

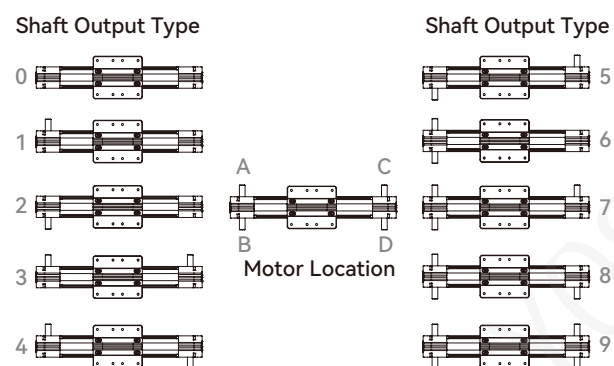
Width	45mm	Module Lead	75mm	Operating Temperature	-30°C~60°C
Max. Load	8KG	Timing Pulley Specification	HTD3M Number of teeth25	Basic Mass(at Stroke = 0mm)	1KG
Customizable Stroke	≤4000mm	Timing Belt Specification	HTD3M Width15mm	Mass Change per 100mm Stroke	0.2KG
Linear Speed	≤1.5m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤3N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

### Ordering Method

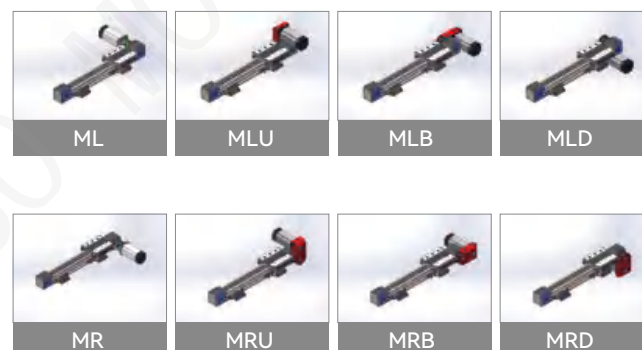
DK45 A - 2H08 - S300 - 1A - MR - L 57(08) - E5 - 01



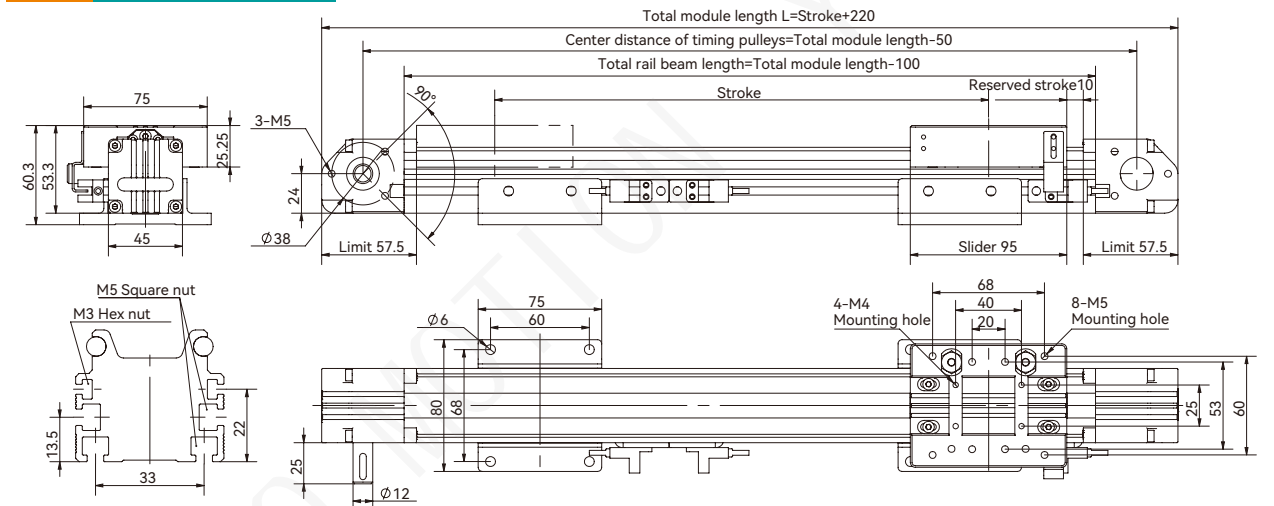
### Shaft Output Type&Motor Location



### Motor Connection Method



### Module Dimensions(Unit:mm)



Note: The following weights do not include the motor and other accessories.

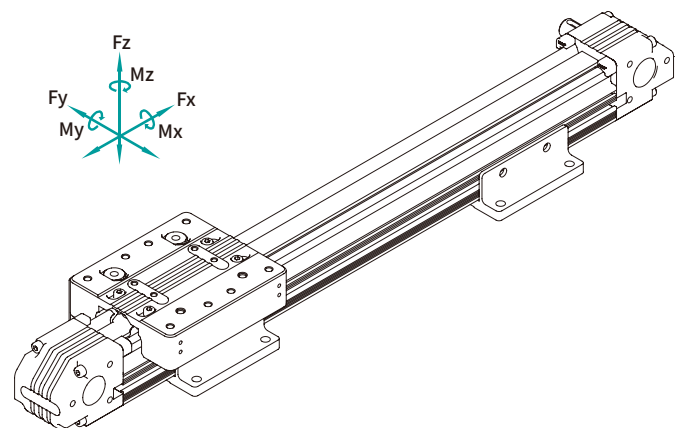
Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	320	420	520	620	720	820	920	1020	1120	1220	1320	1420	1520	1620	1720	1820	1920	2020	2120	2220
KG	1.4	1.6	1.8	2	2.2	2.4	2.6	2.8	3	3.2	3.4	3.6	3.8	4	4.2	4.4	4.6	4.8	5	5.2
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2320	2420	2520	2620	2720	2820	2920	3020	3120	3220	3320	3420	3520	3620	3720	3820	3920	4020	4120	4220
KG	5.4	5.6	5.8	6	6.2	6.4	6.6	6.8	7	7.2	7.4	7.6	7.8	8	8.2	8.4	8.6	8.8	9	9.2

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

1 axis  
DK  
DK30  
DK40  
DK45  
DK50  
DK60

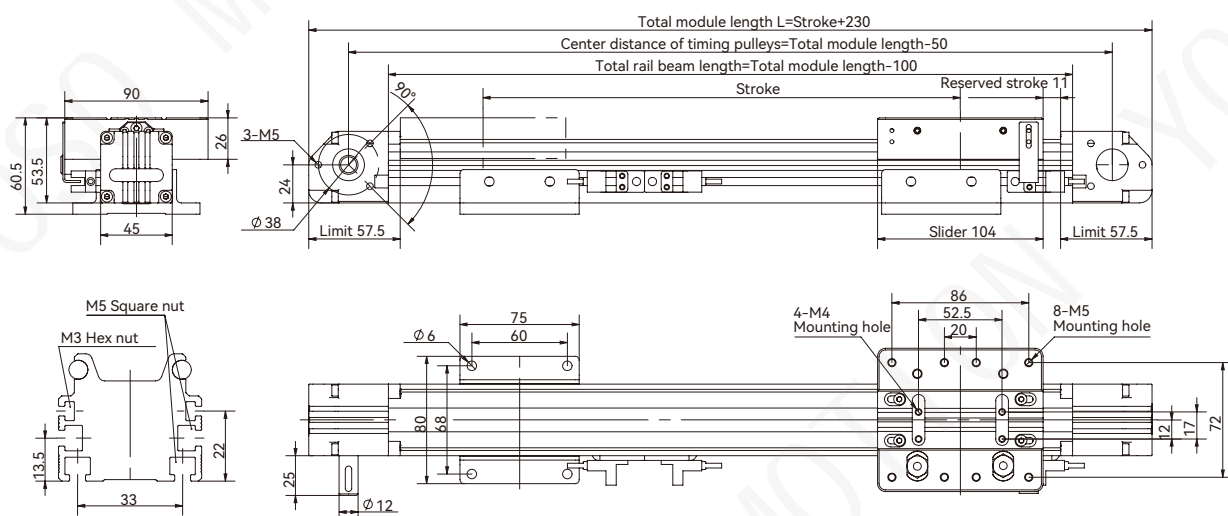
## Module Technical Parameters



Model	DK45-H15	
Calibrated Load of Slider	Fx max (N)	200
	Fy max (N)	655
	Fz max (N)	762
	Mx max (N.M)	14.5
	My max (N.M)	23
	Mz max (N.M)	10
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

Width	45mm	Module Lead	75mm	Operating Temperature	-30°C~60°C
Max. Load	15KG	Timing Pulley Specification	HTD3M Number of teeth25	Basic Mass(at Stroke = 0mm)	1.3KG
Customizable Stroke	≤4000mm	Timing Belt Specification	HTD3M Width15mm	Mass Change per 100mm Stroke	0.2KG
Linear Speed	≤1.5m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤3N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

## Module Dimensions(Unit:mm)



Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	330	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230
KG	1.5	1.7	1.9	2.1	2.3	2.5	2.7	2.9	3.1	3.3	3.5	3.7	3.9	4.1	4.3	4.5	4.7	4.9	5.1	5.3
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2330	2430	2530	2630	2730	2830	2930	3030	3130	3230	3330	3430	3530	3630	3730	3830	3930	4030	4130	4230
KG	5.5	5.7	5.9	6.1	6.3	6.5	6.7	6.9	7.1	7.3	7.5	7.7	7.9	8.1	8.3	8.5	8.7	8.9	9.1	9.3

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

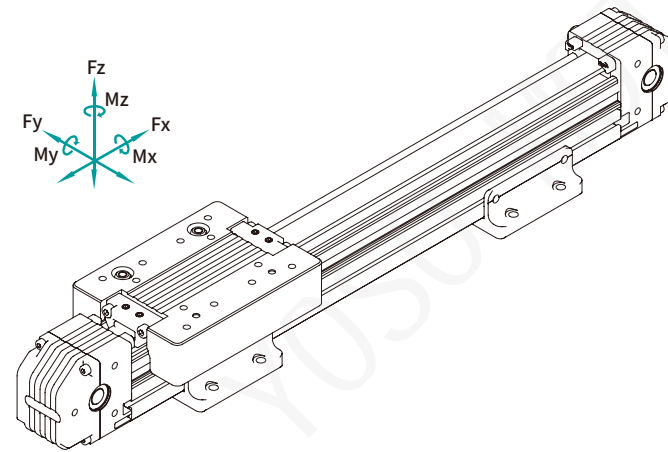
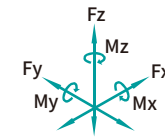
## MEMO

# DK50



- Maximum Stroke** 4000mm
- Rail Beam Width** 50mm
- Maximum Speed** 2m/s
- Module Lead** 105mm
- Belt Width** 20mm

## Module Technical Parameters

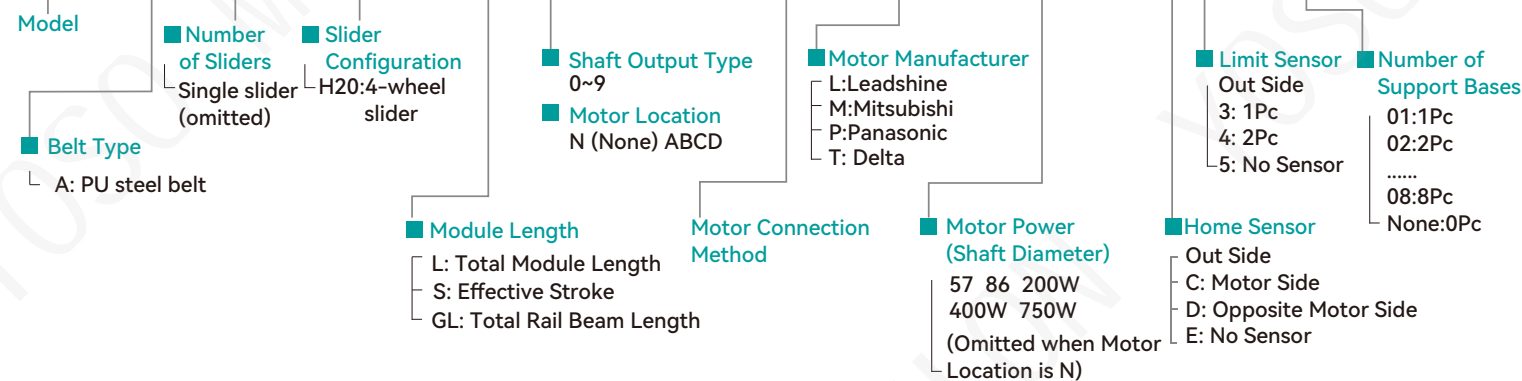


Model	DK50-H20	
Calibrated Load of Slider	Fx max (N)	500
	Fy max (N)	524
	Fz max (N)	610
	Mx max (N.M)	14
	My max (N.M)	24.5
	Mz max (N.M)	10.5
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

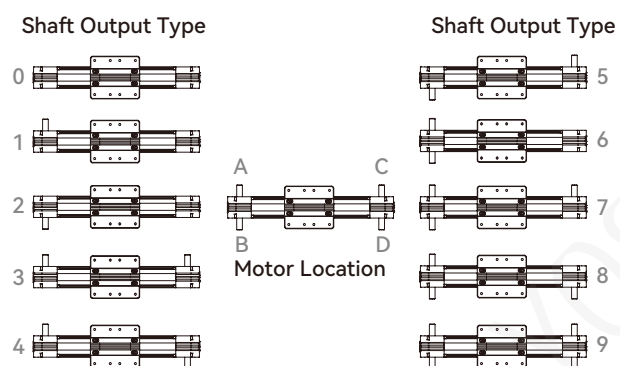
Width	50mm	Module Lead	105mm	Operating Temperature	-30°C~60°C
Max. Load	20KG	Timing Pulley Specification	STD5M Number of teeth21	Basic Mass(at Stroke = 0mm)	2.5KG
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width20mm	Mass Change per 100mm Stroke	0.35KG
Linear Speed	≤2m/s	Repeat Positioning Accuracy	±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤6N·M	Straightness / Bending-Torsion Degree	±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

### Ordering Method

DK50 A - 2H20 - S300 - 1A - MR - L 57(08) - E5 - 01



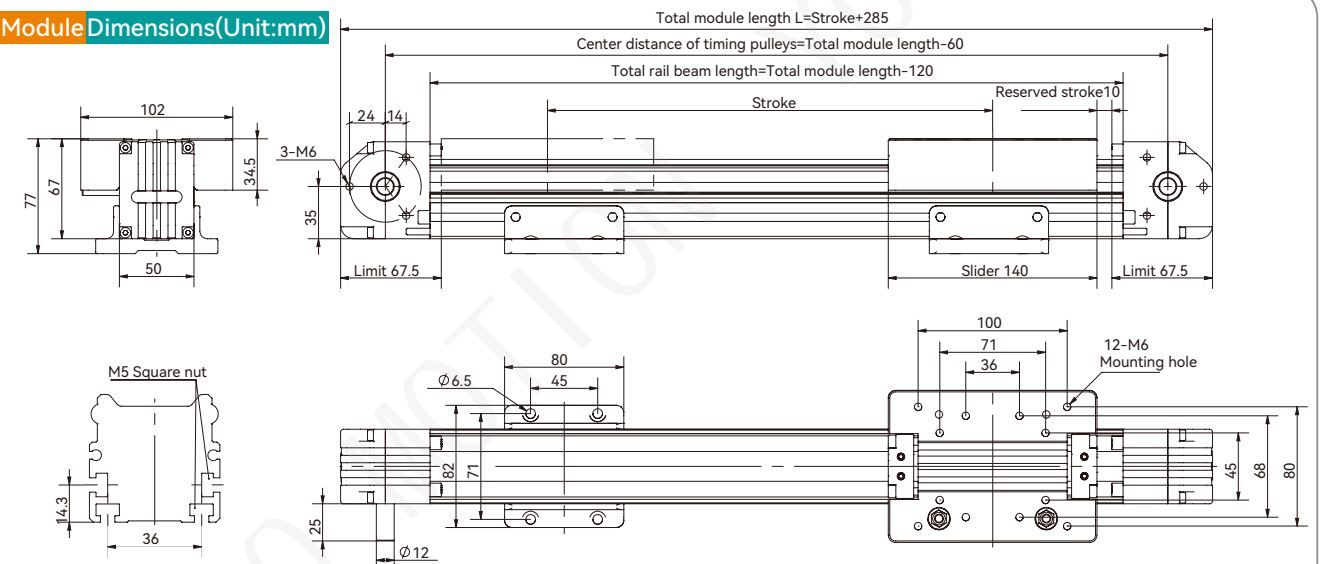
### Shaft Output Type&Motor Location



### Motor Connection Method



### Module Dimensions(Unit:mm)



Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	385	485	585	685	785	885	985	1085	1185	1285	1385	1485	1585	1685	1785	1885	1985	2085	2185	2285
KG	2.85	3.2	3.55	3.9	4.25	4.6	4.95	5.3	5.65	6	6.35	6.7	7.05	7.4	7.75	8.1	8.45	8.8	9.15	9.5
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2385	2485	2585	2685	2785	2885	2985	3085	3185	3285	3385	3485	3585	3685	3785	3885	3985	4085	4185	4285
KG	9.85	10.2	10.6	10.9	11.3	11.6	12	12.3	12.7	13	13.4	13.7	14.1	14.4	14.8	15.1	15.5	15.8	16.2	16.5

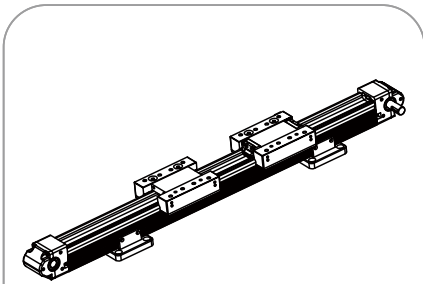
\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

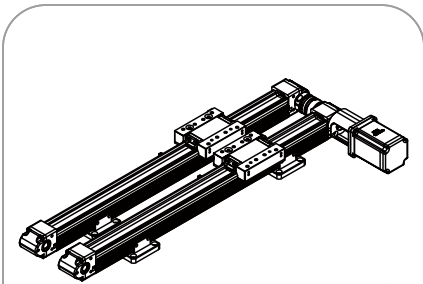
1 axis  
DK  
DK30  
DK40  
DK45  
DK50  
DK60



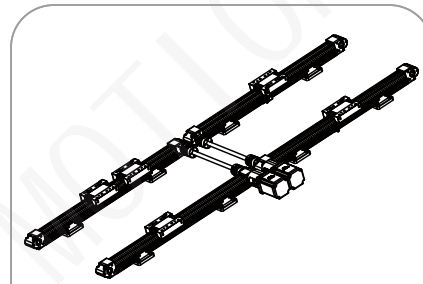
Module Construction



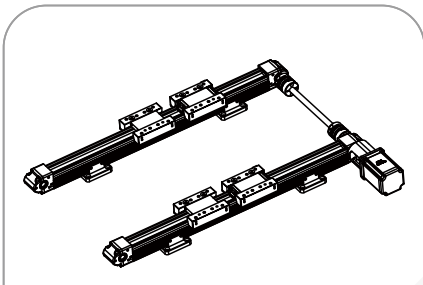
Single Rail with Dual Sliders Structure



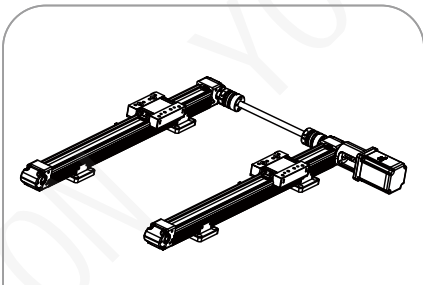
Parallel Dual Rails Structure



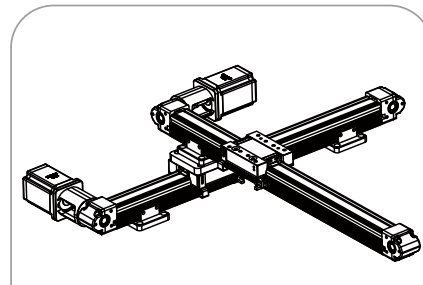
Dual Rails with Multi-Drive Structure



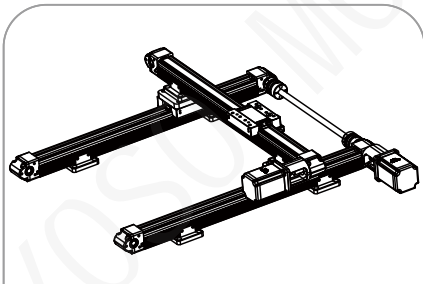
Dual Rails with Dual Sliders Structure



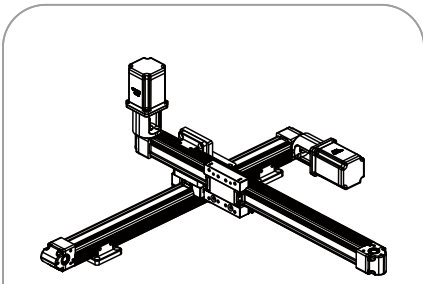
Dual Rails Synchronous Structure



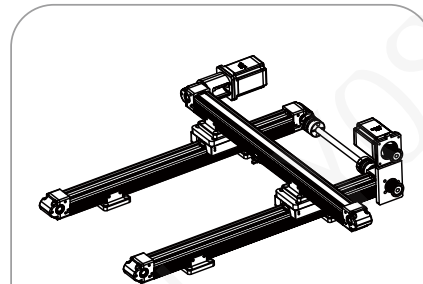
2D Cross Horizontal Structure



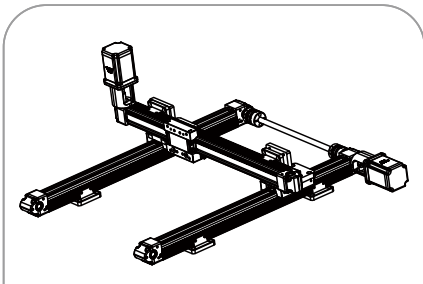
2D I-Shaped Horizontal Structure



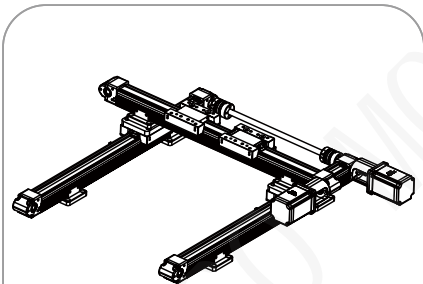
2D Cross Vertical Structure



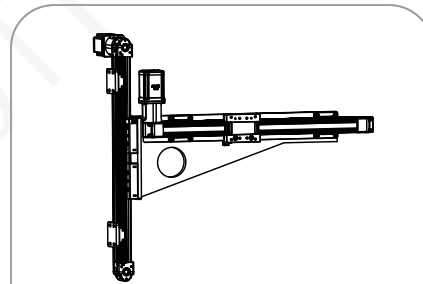
2D X, Y, Y Central Structure



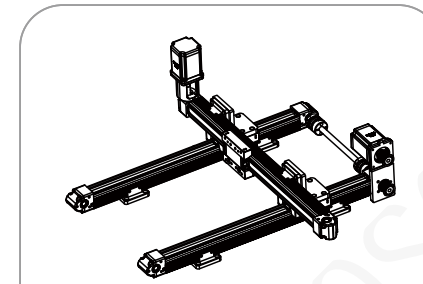
2D I-Shaped Vertical Structure



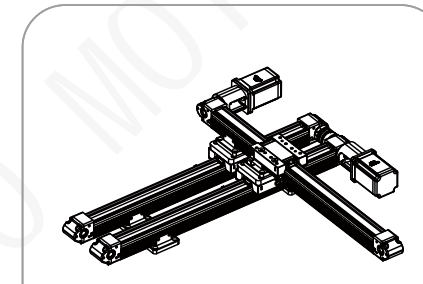
2D I-Shaped Structure with Dual Sliders



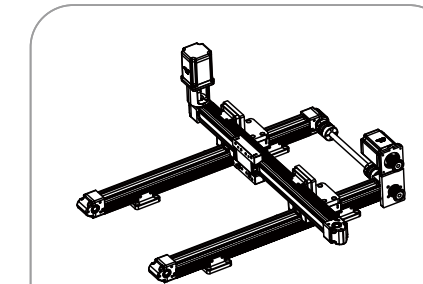
2D Cantilever Structure



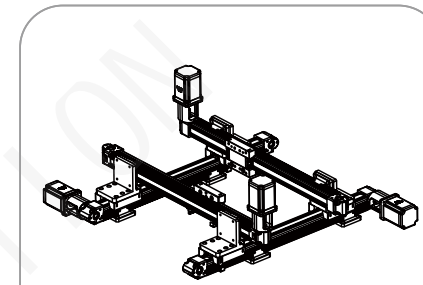
2D X, Y, Y Central Vertical Structure



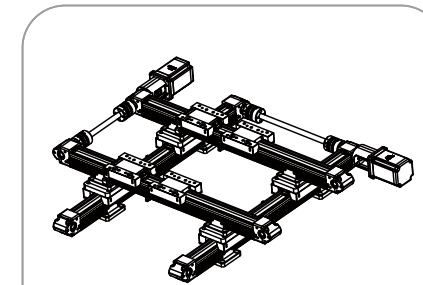
2D Cross Horizontal Structure



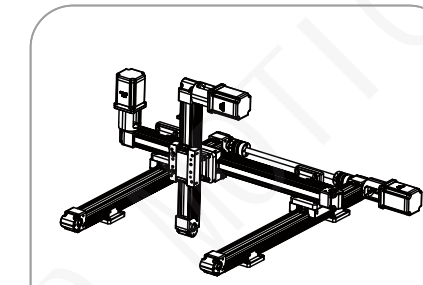
2D Cross Vertical Structure



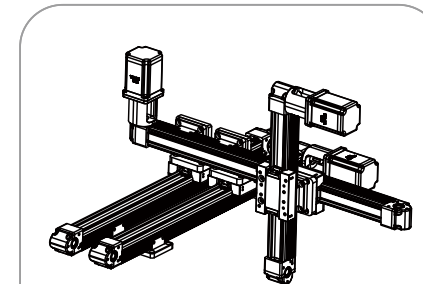
2D Grid-Shaped Single-Action Structure



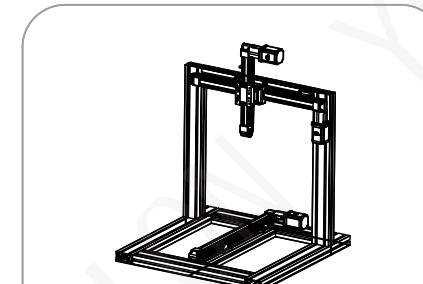
2D Grid-Shaped Structure with Dual Sliders



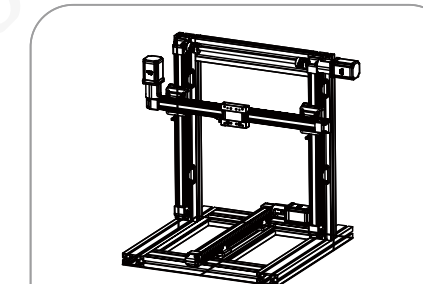
X, Y, Z Axis Vertical Structure



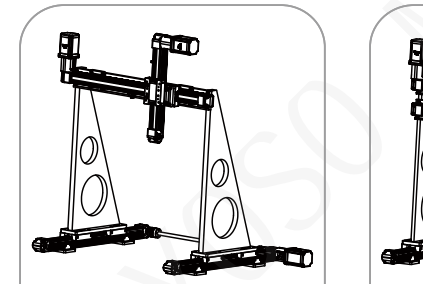
3-Axis Cantilever Structure



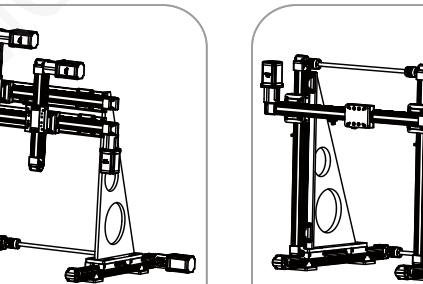
3D Aluminum Profile Bracket Structure



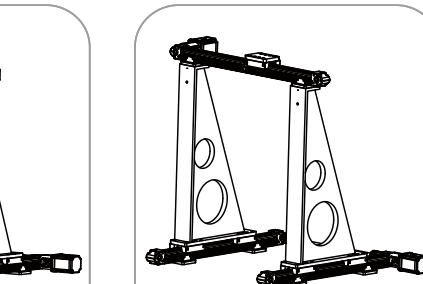
X, Y Dual Z-Axis Aluminum Profile Bracket Structure



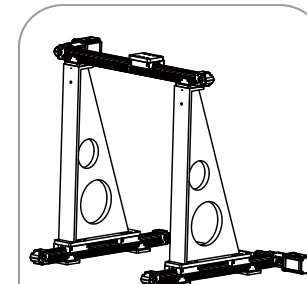
X, Y, Z Axis Gantry Structure



X, Y Dual Z-Axis Gantry Structure

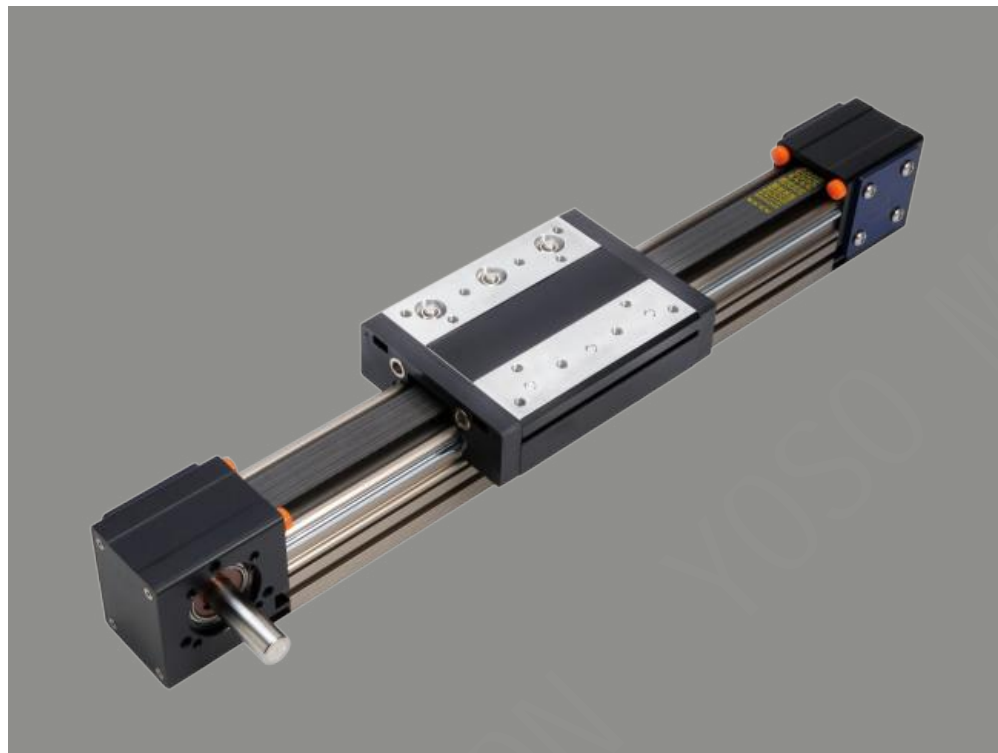


3D Dual Z-Axis Gantry Structure



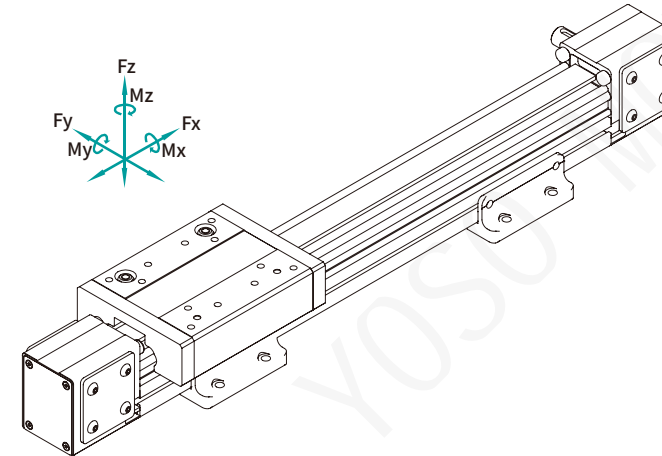
Single X & Dual Y-Axis Gantry Structure

# DK50N



- Maximum Stroke** 4000mm
- Rail Beam Width** 50mm
- Maximum Speed** 2m/s
- Module Lead** 105mm
- Belt Width** 20mm

## Module Technical Parameters

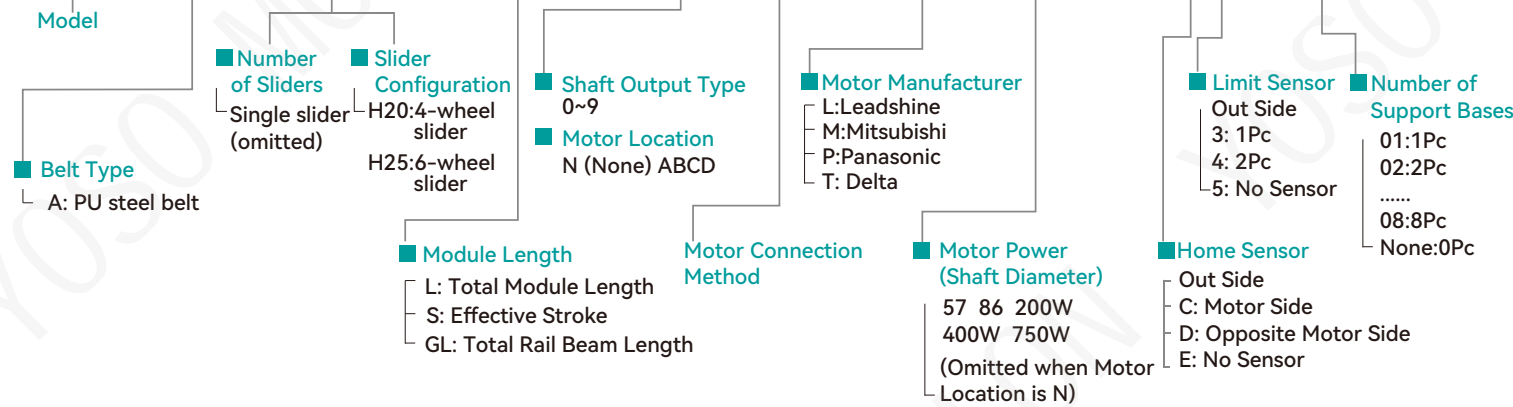


Model	DK50N-H20	
Calibrated Load of Slider	Fx max (N)	500
	Fy max (N)	524
	Fz max (N)	610
	Mx max (N.M)	14
	My max (N.M)	24.5
	Mz max (N.M)	10.5
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$		
To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

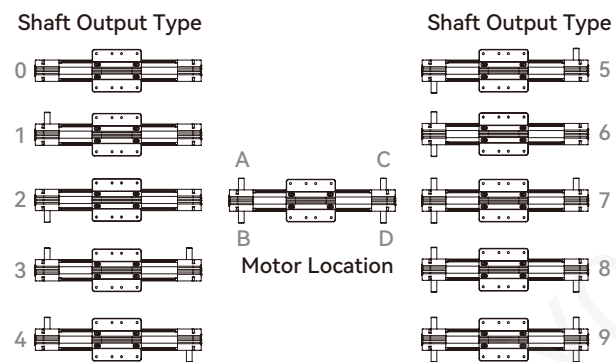
Width	50mm	Module Lead	105mm	Operating Temperature	-30°C~60°C
Max. Load	20KG	Timing Pulley Specification	STD5M Number of teeth21	Basic Mass(at Stroke = 0mm)	2.3KG
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width20mm	Mass Change per 100mm Stroke	0.3KG
Linear Speed	≤2m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤6N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

## Ordering Method

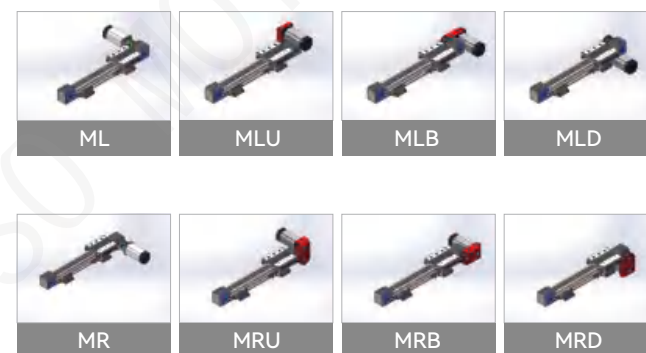
DK50N A - 2H20 - S300 - 1A - MR - L 57(08) - E5 - 01



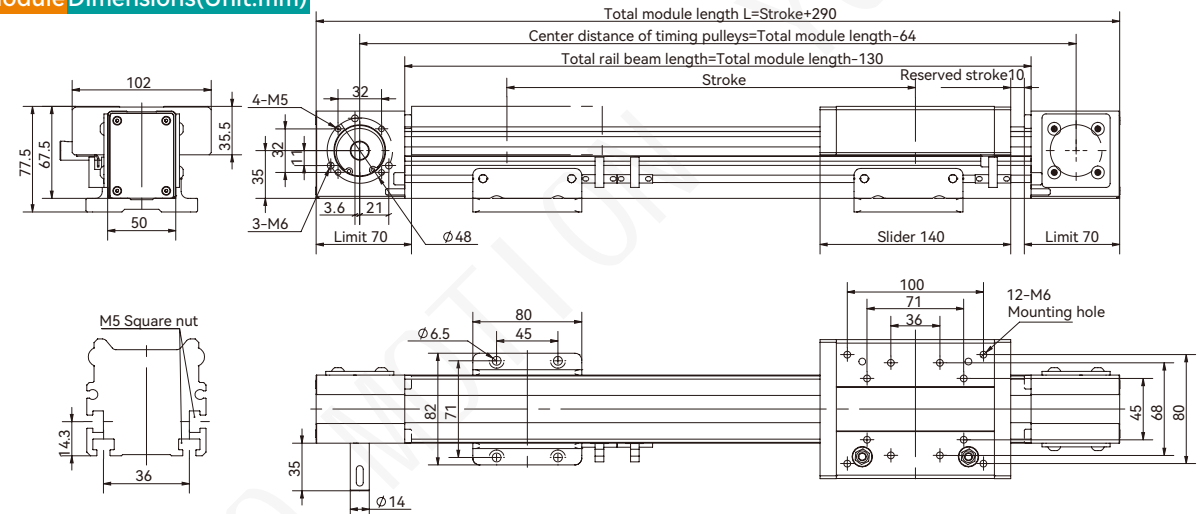
## Shaft Output Type&Motor Location



## Motor Connection Method



## Module Dimensions(Unit:mm)



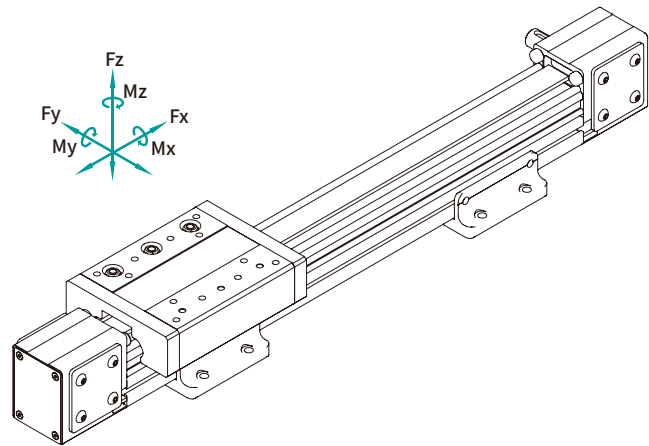
Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	390	490	590	690	790	890	990	1090	1190	1290	1390	1490	1590	1690	1790	1890	1990	2090	2190	2290
KG	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8	8.3
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2390	2490	2590	2690	2790	2890	2990	3090	3190	3290	3390	3490	3590	3690	3790	3890	3990	4090	4190	4290
KG	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.7	11	11.3	11.6	11.9	12.2	12.5	12.8	13.1	13.4	13.7	14	14.3

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

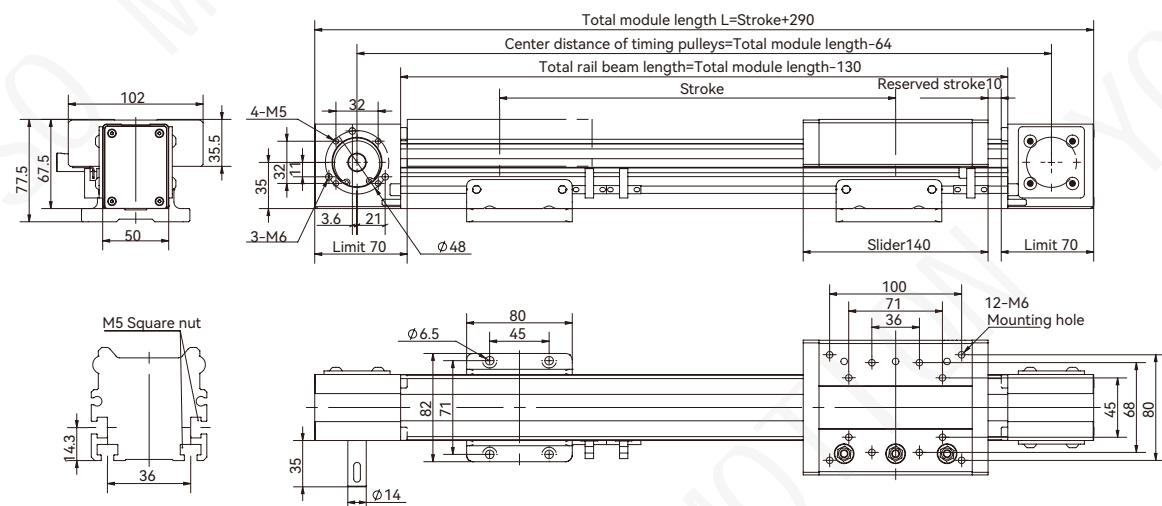
Module Technical Parameters



Model	DK50N-H25	
Calibrated Load of Slider	Fx max (N)	500
	Fy max (N)	655
	Fz max (N)	762
	Mx max (N.M)	17.5
	My max (N.M)	30.5
	Mz max (N.M)	13
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

Width	50mm	Module Lead	105mm	Operating Temperature	
Max. Load	25KG	Timing Pulley Specification	STD5M Number of teeth21	Basic Mass(at Stroke = 0mm)	
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width20mm	Mass Change per 100mm Stroke	
Linear Speed	≤2m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	
Applicable Driving Torque	≤6N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

Module Dimensions(Unit:mm)



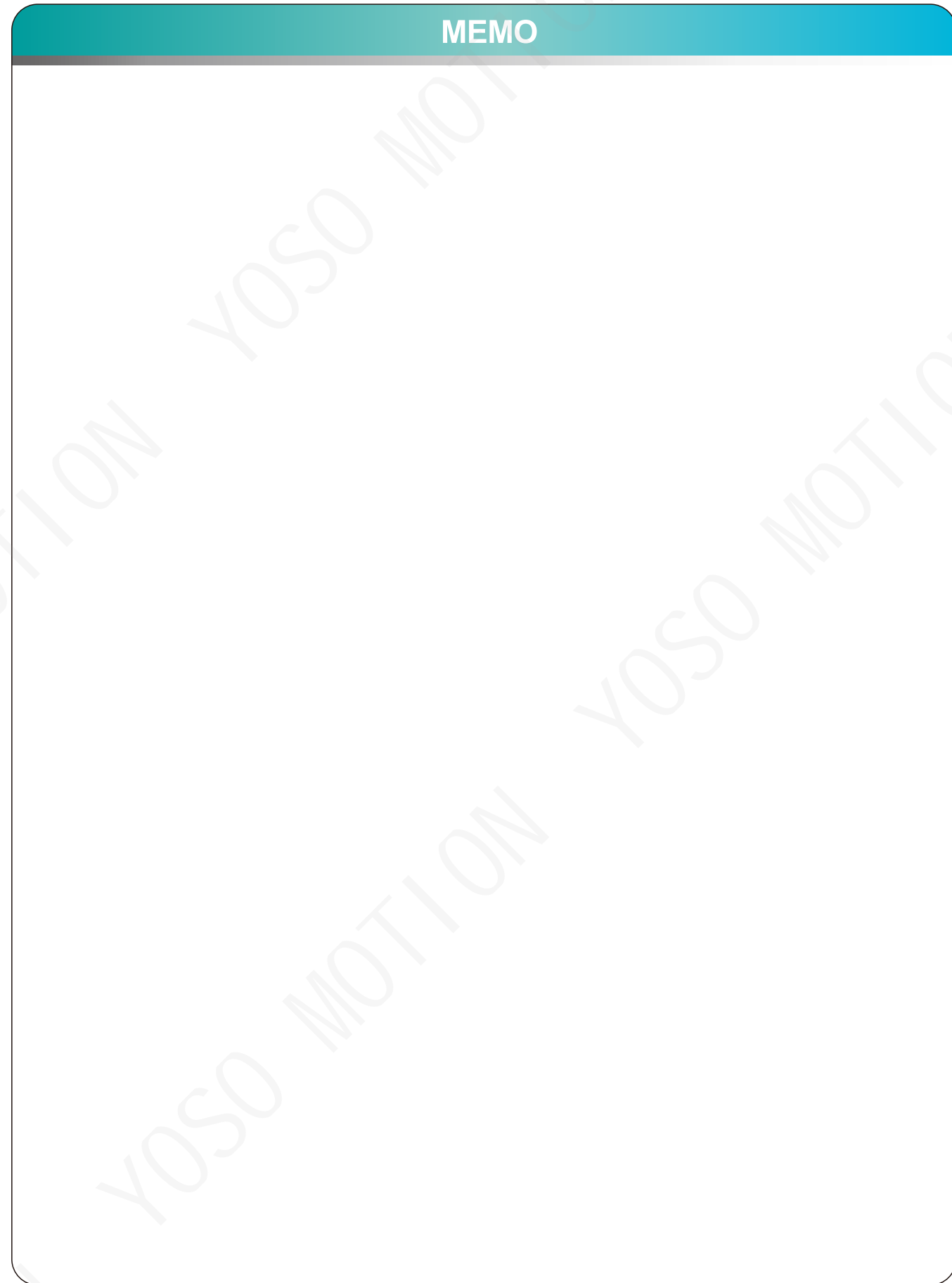
Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	390	490	590	690	790	890	990	1090	1190	1290	1390	1490	1590	1690	1790	1890	1990	2090	2190	2290
KG	2.6	2.9	3.2	3.5	3.8	4.1	4.4	4.7	5	5.3	5.6	5.9	6.2	6.5	6.8	7.1	7.4	7.7	8	8.3
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2390	2490	2590	2690	2790	2890	2990	3090	3190	3290	3390	3490	3590	3690	3790	3890	3990	4090	4190	4290
KG	8.6	8.9	9.2	9.5	9.8	10.1	10.4	10.7	11	11.3	11.6	11.9	12.2	12.5	12.8	13.1	13.4	13.7	14	14.3

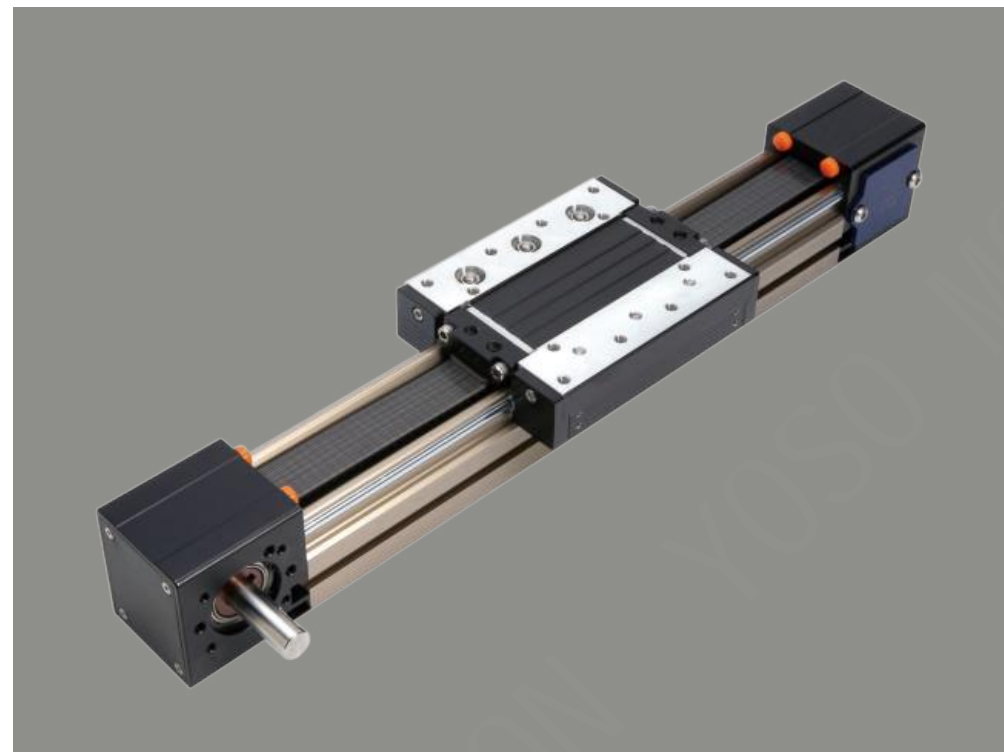
\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

MEMO

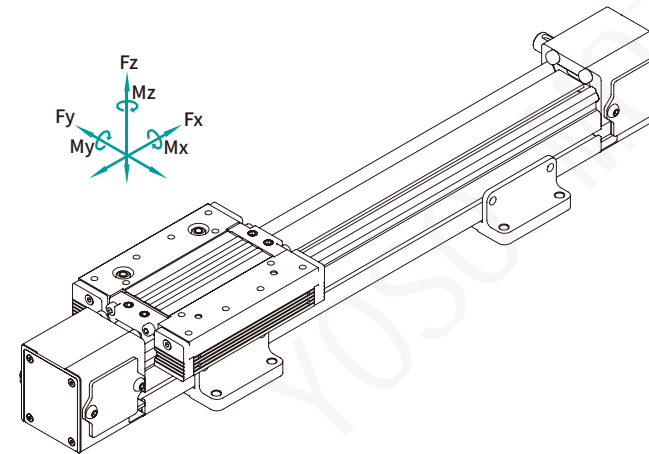


# DK60N



- Maximum Stroke** 4000mm
- Rail Beam Width** 60mm
- Maximum Speed** 2m/s
- Module Lead** 105mm
- Belt Width** 25mm

## Module Technical Parameters

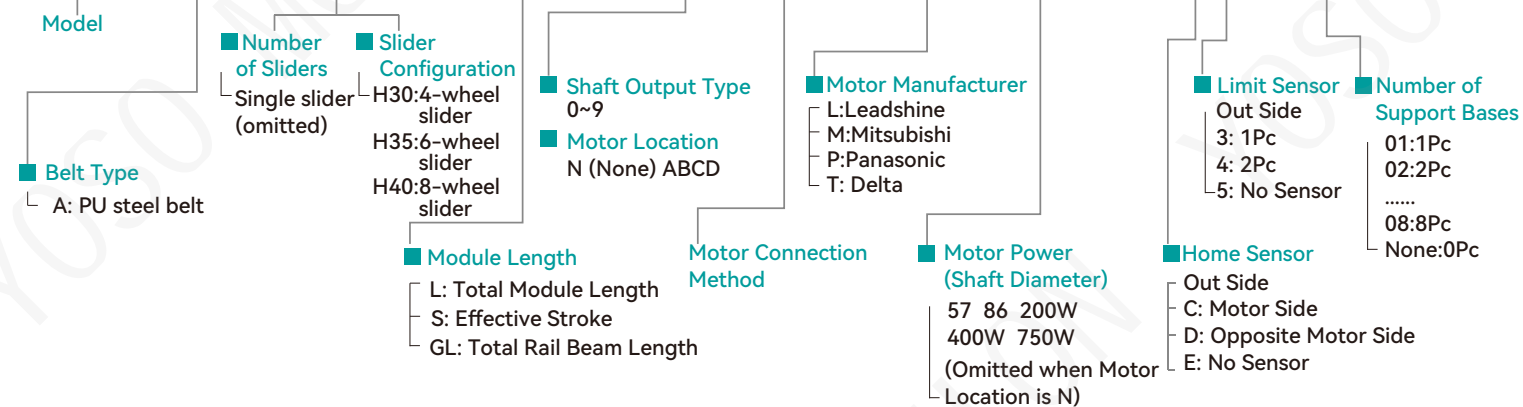


Model	DK60N-H30	
Calibrated Load of Slider	Fx max (N)	600
	Fy max (N)	808
	Fz max (N)	931
	Mx max (N.M)	26
	My max (N.M)	44
	Mz max (N.M)	19
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

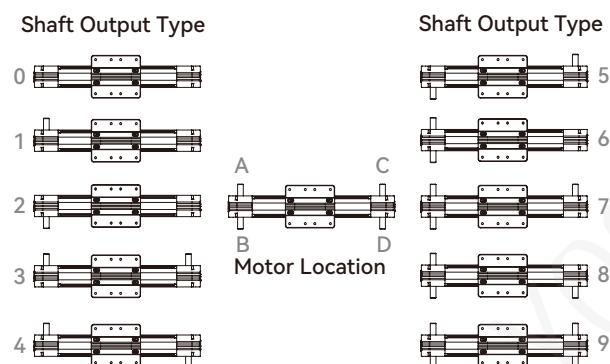
Width	60mm	Module Lead	105mm	Operating Temperature	-30°C~60°C
Max. Load	30KG	Timing Pulley Specification	STD5M Number of teeth21	Basic Mass(at Stroke = 0mm)	2.6KG
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width25mm	Mass Change per 100mm Stroke	0.35KG
Linear Speed	≤2m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤7N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

## Ordering Method

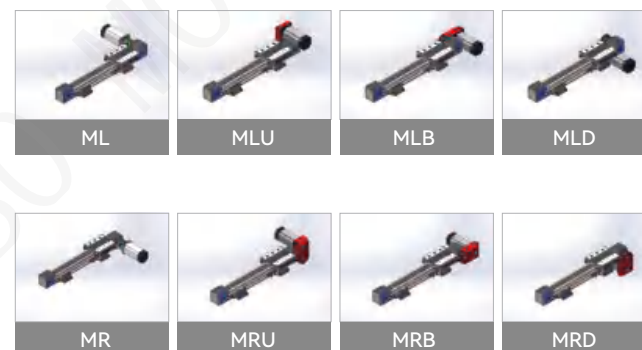
DK60N A - 2H30 - S300 - 1A - MR - L 57(08) - E5 - 01



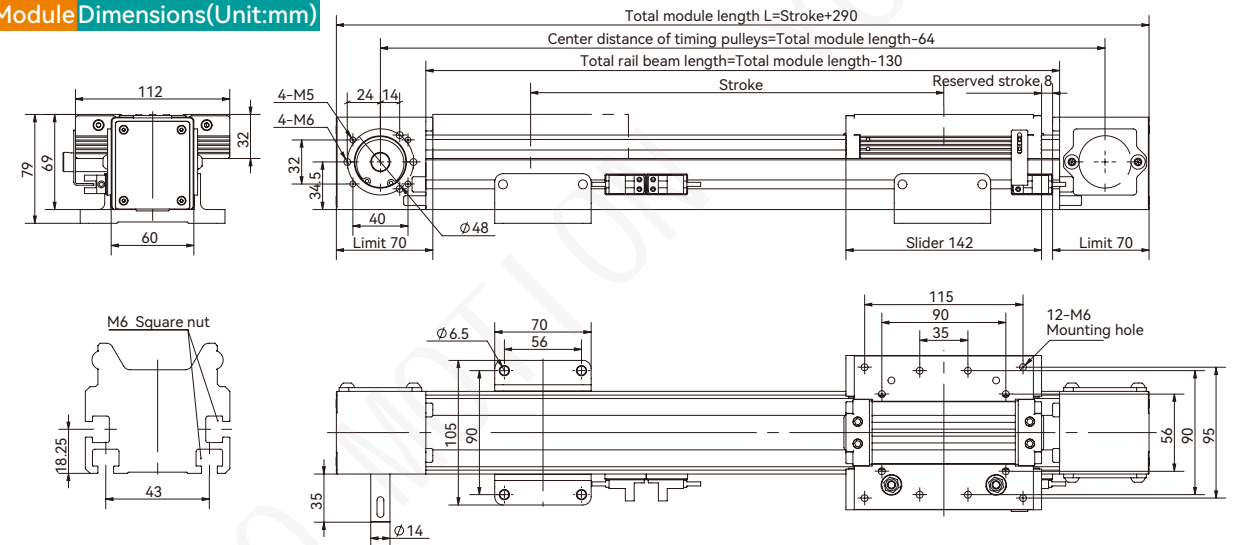
## Shaft Output Type&Motor Location



## Motor Connection Method



## Module Dimensions(Unit:mm)



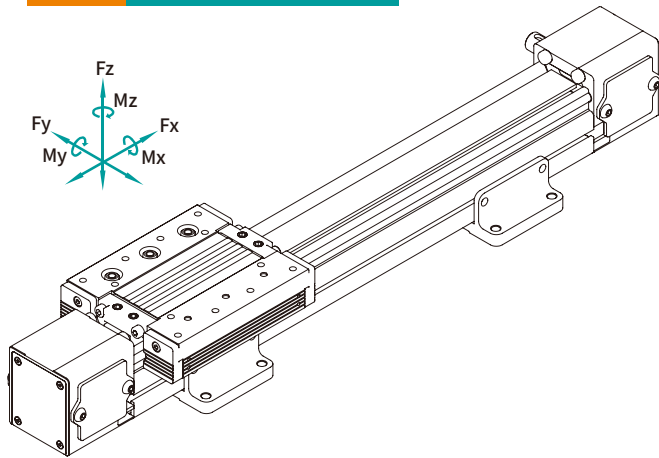
Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	390	490	590	690	790	890	990	1090	1190	1290	1390	1490	1590	1690	1790	1890	1990	2090	2190	2290
KG	2.95	3.3	3.65	4	4.35	4.7	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
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2390	2490	2590	2690	2790	2890	2990	3090	3190	3290	3390	3490	3590	3690	3790	3890	3990	4090	4190	4290
KG	9.95	10.3	10.7	11	11.4	11.7	12.1	12.4	12.8	13.1	13.5	13.8	14.2	14.5	14.9	15.2	15.6	15.9	16.3	16.6

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

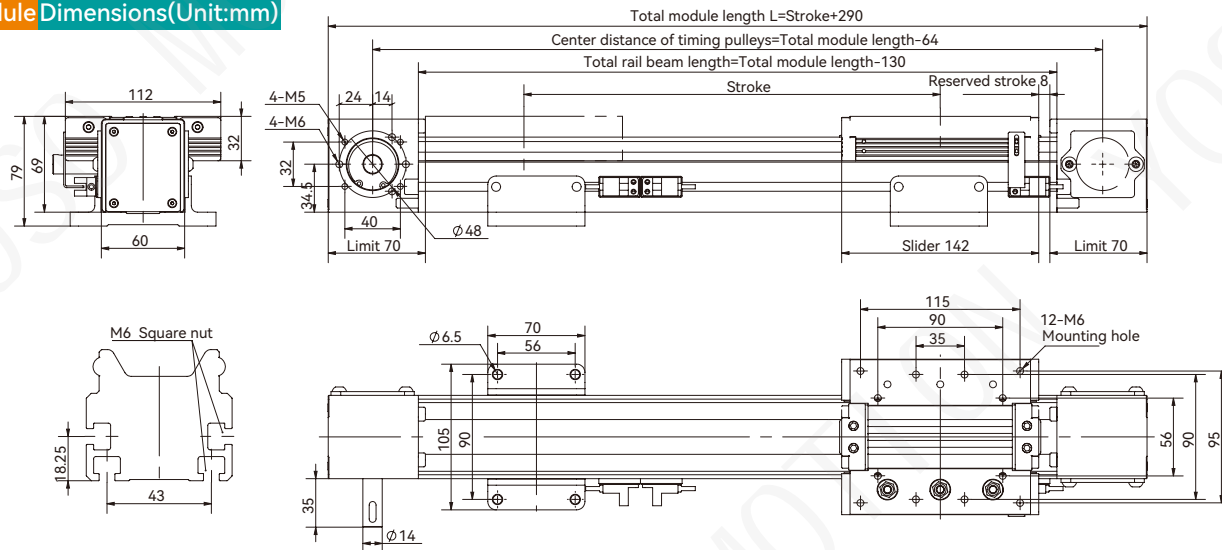
### Module Technical Parameters



Model	DK60-H35	
Calibrated Load of Slider	Fx max (N)	600
	Fy max (N)	1001
	Fz max (N)	1164
	Mx max (N.M)	32.5
	My max (N.M)	55.5
	Mz max (N.M)	24
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$		
To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

Width	60mm	Module Lead	105mm	Operating Temperature	-30°C~60°C
Max. Load	35KG	Timing Pulley Specification	STD5M Number of teeth21	Basic Mass(at Stroke = 0mm)	2.6KG
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width25mm	Mass Change per 100mm Stroke	0.35KG
Linear Speed	≤2m/s	Repeat Positioning Accuracy	±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤7N·M	Straightness / Bending-Torsion Degree	±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

### Module Dimensions(Unit:mm)

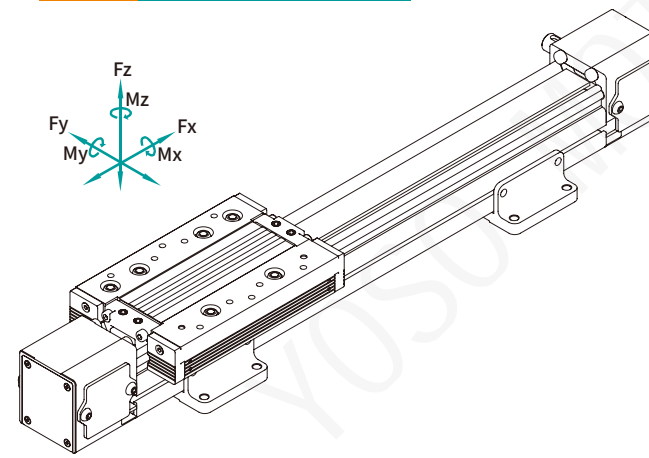


Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	390	490	590	690	790	890	990	1090	1190	1290	1390	1490	1590	1690	1790	1890	1990	2090	2190	2290
KG	2.95	3.3	3.65	4	4.35	4.7	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
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2390	2490	2590	2690	2790	2890	2990	3090	3190	3290	3390	3490	3590	3690	3790	3890	3990	4090	4190	4290
KG	9.95	10.3	10.7	11	11.4	11.7	12.1	12.4	12.8	13.1	13.5	13.8	14.2	14.5	14.9	15.2	15.6	15.9	16.3	16.6

\*For special stroke requirements or other specific needs, please contact the technical staff first.  
\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

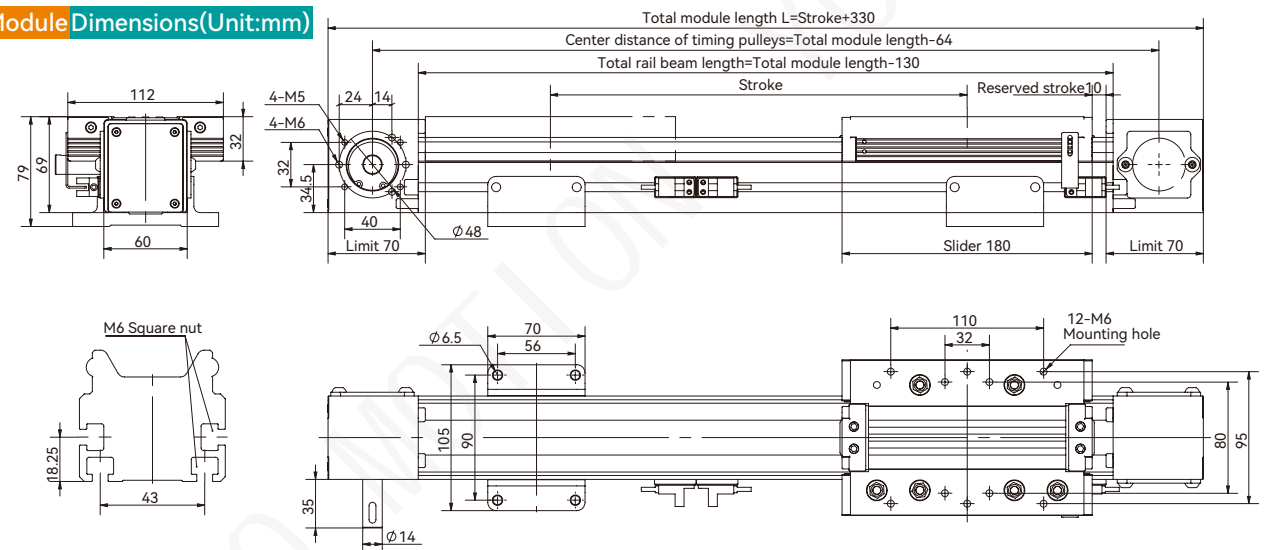
### Module Technical Parameters



Model	DK60N-H40	
Calibrated Load of Slider	Fx max (N)	600
	Fy max (N)	1502
	Fz max (N)	1746
	Mx max (N.M)	49
	My max (N.M)	124
	Mz max (N.M)	53.5
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$		
To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

Width	60mm	Module Lead	105mm	Operating Temperature	-30°C~60°C
Max. Load	40KG	Timing Pulley Specification	STD5M Number of teeth21	Basic Mass(at Stroke = 0mm)	3.1KG
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width25mm	Mass Change per 100mm Stroke	0.35KG
Linear Speed	≤2m/s	Repeat Positioning Accuracy	±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤7N·M	Straightness / Bending-Torsion Degree	±0.05/300mm	Suitable Motor	Stepper Motor(57/86) Servo Motor(200W/400W/750W)

### Module Dimensions(Unit:mm)

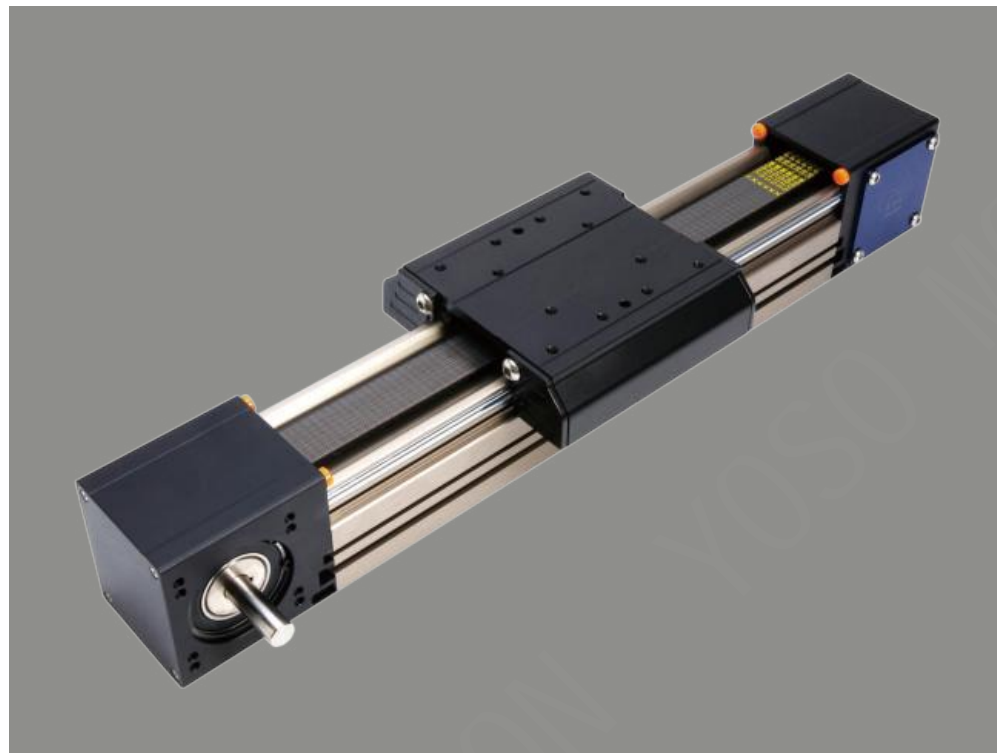


Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	430	530	630	730	830	930	1030	1130	1230	1330	1430	1530	1630	1730	1830	1930	2030	2130	2230	2330
KG	3.45	3.8	4.15	4.5	4.85	5.2	5.55	5.9	6.25	6.6	6.95	7.3	7.65	8	8.35	8.7	9.05	9.4	9.75	10.1
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2430	2530	2630	2730	2830	2930	3030	3130	3230	3330	3430	3530	3630	3730	3830	3930	4030	4130	4230	4330
KG	10.5	10.8	11.2	11.5	11.9	12.2	12.6	12.9	13.3	13.6	14	14.3	14.7	15	15.4	15.7	16.1	16.4	16.8	17.1

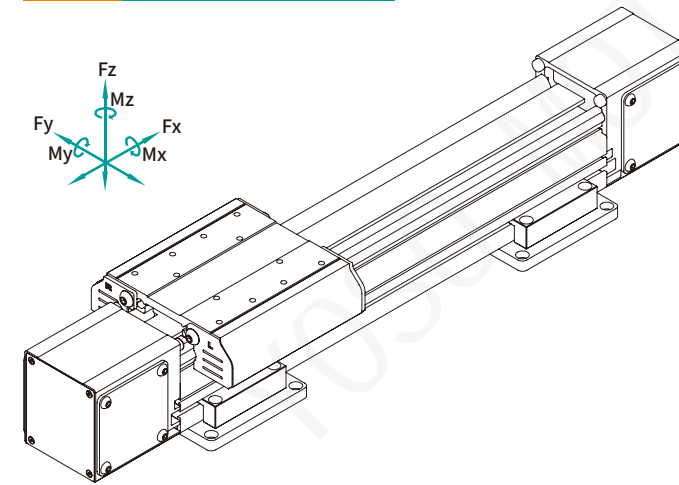
\*For special stroke requirements or other specific needs, please contact the technical staff first.  
\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.

# DK80N



- Maximum Stroke** 4000mm
- Rail Beam Width** 80mm
- Maximum Speed** 2m/s
- Module Lead** 180mm
- Belt Width** 30mm

## Module Technical Parameters

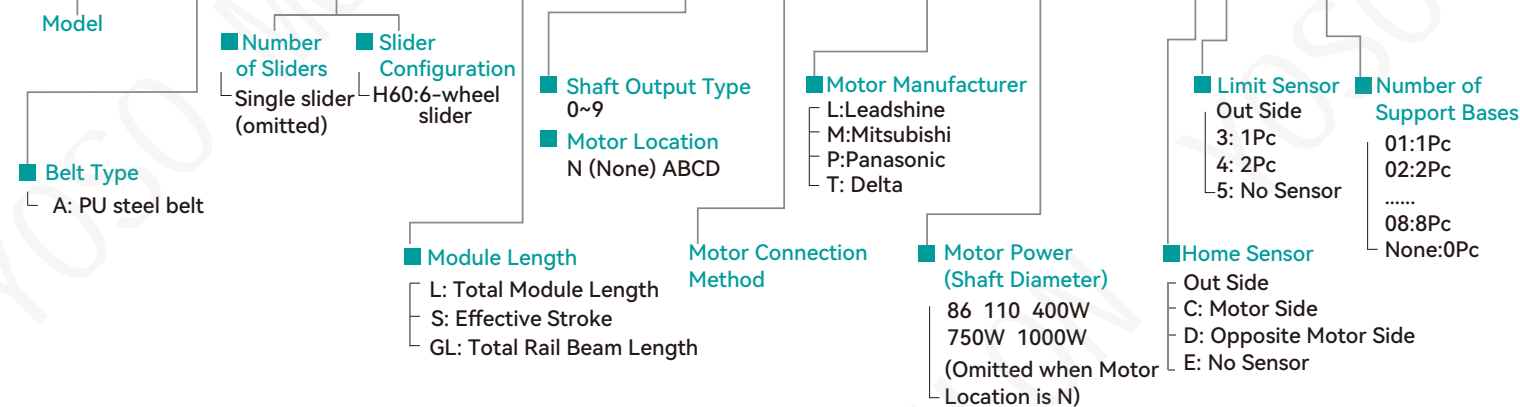


Model	DK80N-H60	
Calibrated Load of Slider	Fx max (N)	700
	Fy max (N)	1442
	Fz max (N)	1677
	Mx max (N.M)	64
	My max (N.M)	89
	Mz max (N.M)	38
System Load Factor $LF = \frac{F_x}{F_{xmax}} + \frac{F_y}{F_{ymax}} + \frac{F_z}{F_{zmax}} + \frac{M_x}{M_{xmax}} + \frac{M_y}{M_{ymax}} + \frac{M_z}{M_{zmax}}$ To extend the product's service life, it is recommended that the LF (Load Factor) of the load combination shall not exceed 1. If the LF is greater than 1, its service life will be less than the rated service life (10,000 KM).		

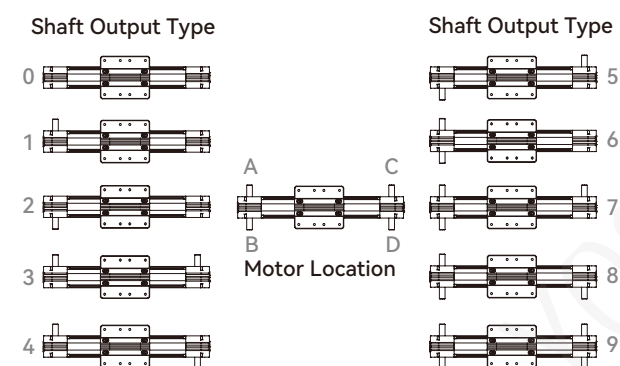
Width	80mm	Module Lead	180mm	Operating Temperature	-30°C~60°C
Max. Load	60KG	Timing Pulley Specification	STD5M Number of teeth36	Basic Mass(at Stroke = 0mm)	5.8KG
Customizable Stroke	≤4000mm	Timing Belt Specification	STD5M Width30mm	Mass Change per 100mm Stroke	0.54KG
Linear Speed	≤2m/s	Repeat Positioning Accuracy	≤±0.05mm	Motor Connection Method	Direct Connection or Variable Speed
Applicable Driving Torque	≤12N·M	Straightness / Bending-Torsion Degree	≤±0.05/300mm	Suitable Motor	Stepper Motor(86/110) Servo Motor(400W/750W/1000W)

### Ordering Method

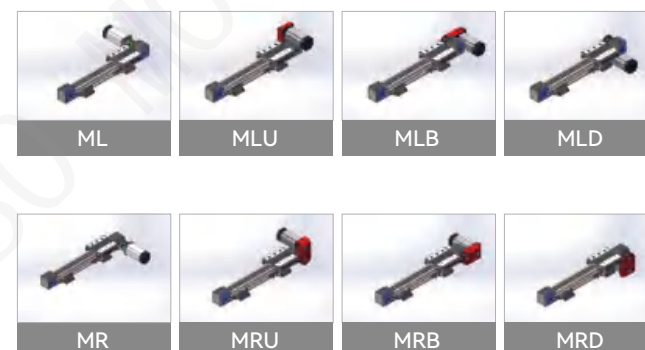
DK80N A - 2H60 - S300 - 1A - MR - L 86(12) - E5 - 01



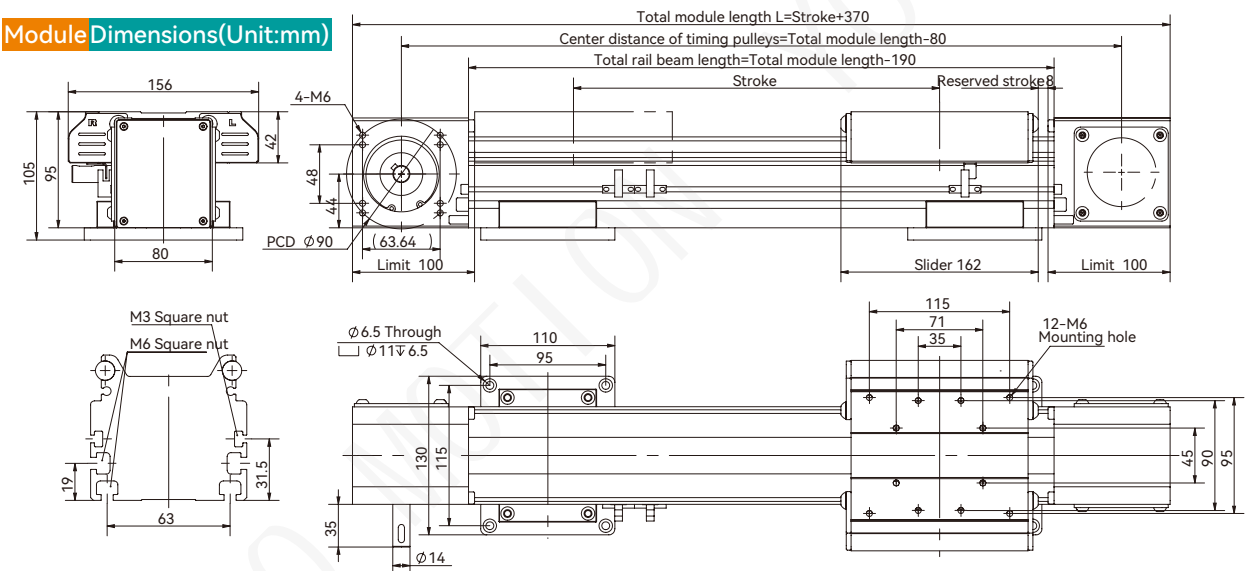
### Shaft Output Type&Motor Location



### Motor Connection Method



### Module Dimensions(Unit:mm)



Note: The following weights do not include the motor and other accessories.

Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000
L	470	570	670	770	870	970	1070	1170	1270	1370	1470	1570	1670	1770	1870	1970	2070	2170	2270	2370
KG	6.34	6.88	7.42	7.96	8.5	9.04	9.58	10.1	10.7	11.2	11.7	12.3	12.8	13.4	13.9	14.4	15	15.5	16.1	16.6
Stroke	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000
L	2470	2570	2670	2770	2870	2970	3070	3170	3270	3370	3470	3570	3670	3770	3870	3970	4070	4170	4270	4370
KG	17.1	17.7	18.2	18.8	19.3	19.8	20.4	20.9	21.5	22	22.5	23.1	23.6	24.2	24.7	25.2	25.8	26.3	26.9	27.4

\*For special stroke requirements or other specific needs, please contact the technical staff first.

\*Please note that when used vertically, take preventive measures to avoid unpredictable risks of load falling caused by belt breakage.