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Jiangsu Province, China

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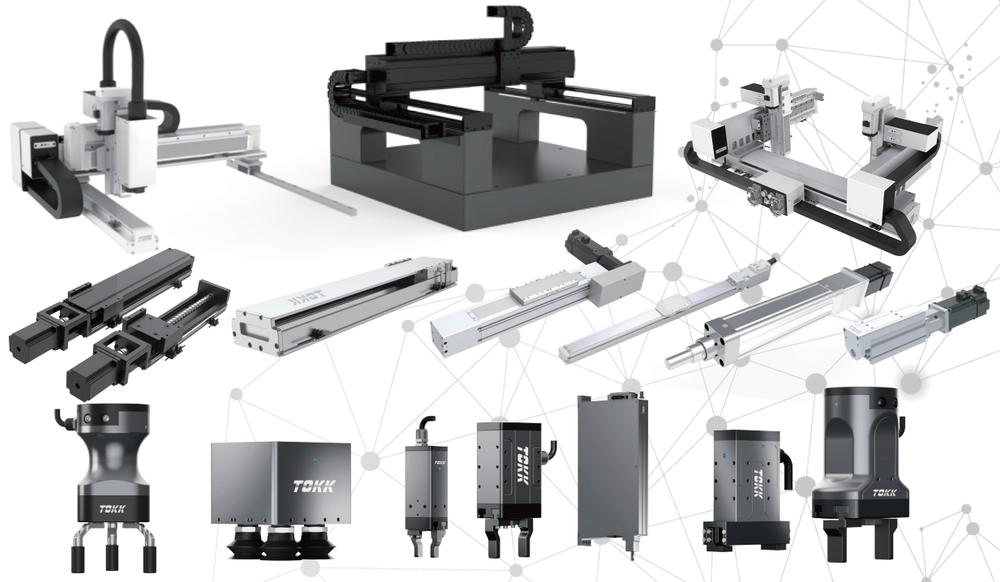
www.tokkrobot.com

* All specifications, dimensions and construction shown in this catalogue are subject to change without prior notice.

TOKK ROBOT
COMPREHENSIVE CATALOG

2026



TOKK Robot (Suzhou) Co, Ltd.

COMPANY PROFILE

The headquarters of TOKK Robot (Suzhou) Co., Ltd. is located in Xiangcheng District, Suzhou City. Currently, there are three major research and development centers in Kunshan, Suzhou, and Shenzhen. Among them, there are two manufacturing centers in Suzhou and Kunshan, with a production area of over 30000 square meters and more than ten research and development personnel, all of whom have more than ten years of research and development experience.

TOKK Robot (Suzhou) Co., Ltd. is controlled by Lingchen Group and focuses on the research, development, production, and sales of linear motor modules, linear transmission modules, electric cylinders, KK modules, servo presses, and other products. The company is positioned in the high-end equipment manufacturing industry and has experts in mechanical, electronic automation, computer, industrial automation and other research fields, as well as young and promising scientific and technological personnel; Equipped with CNC machining centers, CNC milling machines, grinders, wire cutting machines, grinding machines and other equipment; Can meet the requirements of standardized mass production.

TOKK Robot (Suzhou) Co., Ltd.'s products mainly serve major industries such as 3C, lithium batteries, photovoltaics, panels, and semiconductors. They are widely used in dispensing, handling, scanning, and moving, and can meet various customer needs and application scenarios.

The company will adhere to the principles of "customer achievement, win-win cooperation, craftsmanship spirit, reliability and altruism", with the mission of "becoming the preferred brand for global automation components", constantly exploring and innovating, striving to create a well-known brand with international competitiveness, and providing customers with high-quality services and support!

CATALOG INDEX

1 LGTH series
Screw drive/general environment

LGTH4

Width 44mm
Max. stroke 800mm 17
Max. payload 25kg

LGTH12

Width 120mm
Max. stroke 1250mm 29
Max. payload 110kg

LGTH5

Width 54mm
Max. stroke 800mm 21
Max. payload 30kg

LGTH5S

Width 54mm
Max. stroke 325mm 33
Max. payload 30kg

LGTH8

Width 82mm
Max. stroke 1100mm 25
Max. payload 50kg

LGTH8S

Width 82mm
Max. stroke 450mm 37
Max. payload 50kg

2 LGCH series
Screw drive/dust-free environment

LGCH4

Width 44mm
Max. stroke 800mm 45
Max. payload 25kg

LGCH8

Width 82mm
Max. stroke 1100mm 53
Max. payload 50kg

LGCH5

Width 54mm
Max. stroke 800mm 49
Max. payload 30kg

LGCH12

Width 120mm
Max. stroke 1250mm 57
Max. payload 110kg

CATALOG INDEX

3 LETH series
Screw drive / General environment

LETH13

Width 135mm
Max. stroke 1050mm 65
Max. payload 70kg

LETH14

Width 135mm
Max. stroke 1050mm 71
Max. payload 110kg

LETH17

Width 170mm
Max. stroke 1250mm 77
Max. payload 120kg

LETH22

Width 220mm
Max. stroke 1500mm 81
Max. payload 150kg

LETH27

Width 270mm
Max. stroke 1700mm 87
Max. payload 220kg

LETH17M

Width 170mm
Max. stroke 2200mm 97
Max. payload 120kg

LETH22M

Width 220mm
Max. stroke 2400mm 101
Max. payload 130kg

4 LECH series
Screw drive/dust-free environment

LECH14

Width 135mm
Max. stroke 1050mm 109
Max. payload 110kg

LECH17

Width 170mm
Max. stroke 1250mm 113
Max. payload 120kg

LECH22

Width 220mm
Max. stroke 1500mm 117
Max. payload 150kg

CATALOG INDEX

5 LETB series
Belt drive/general environment

LETB10

Width 102mm
Max. stroke 2250mm 125
Max. payload 10kg

LETB14M

Width 135mm
Max. stroke 3050mm 131
Max. payload 25kg

LETB17M

Width 170mm
Max. stroke 3050mm 136
Max. payload 45kg

LETB22M

Width 220mm
Max. stroke 3500mm 141
Max. payload 85kg

6 LECB series
Screw drive/dust-free environment

LECB14

Width 135mm
Max. stroke 3050mm 149
Max. payload 25kg

LECB22

Width 220mm
Max. stroke 3500mm 160
Max. payload 85kg

LECB17

Width 170mm
Max. stroke 4050mm 155
Max. payload 45kg

CATALOG INDEX

7 KK series
Screw drive/general environment

KK40D

Width 40mm
Max. stroke 200mm 167
Max. payload 35kg

KK50D

Width 50mm
Max. stroke 300mm 167
Max. payload 12kg

KK60D

Width 60mm
Max. stroke 600mm 167
Max. payload 20kg

KK86D

Width 86mm
Max. stroke 940mm 167
Max. payload 50kg

KK100D

Width 100mm
Max. stroke 1380mm 167
Max. payload 80kg

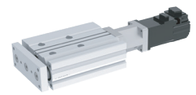
CATALOG INDEX

8 LG series
Screw drive/general environment

LG16

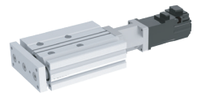
Width 83mm
Max. stroke 100mm 193
Max. payload 5kg

LG20



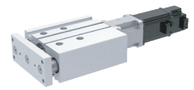
Width 93mm
Max. stroke 100mm 195
Max. payload 8kg

LG25



Width 112mm
Max. stroke 100mm 197
Max. payload 24kg

LG32



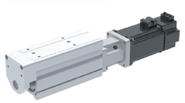
Width 148mm
Max. stroke 100mm 199
Max. payload 45kg

LG40

Width 162mm
Max. stroke 100mm 201
Max. payload 60kg

9 LH series
Screw drive/general environment

LH16



Width 45mm
Max. stroke 250mm 204
Max. payload 12kg

LH25

Width 60mm
Max. stroke 350mm 206
Max. payload 20kg

CATALOG INDEX

10 LC series
Screw drive/general environment

LC12

Width 27mm
Max. stroke 100mm 209
Max. payload 51kg

LC25

Width 44mm
Max. stroke 300mm 214
Max. payload 10kg

LC16

Width 34mm
Max. stroke 250mm 211
Max. payload 8kg

LC32

Width 51mm
Max. stroke 300mm 217
Max. payload 40kg

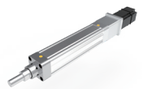
11 LE series
Screw drive/general environment

LE40

Width 54mm
Max. stroke 800mm 223
Max. payload 300kg

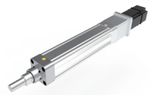
LE80

Width 85mm
Max. stroke 1200mm 230
Max. payload 1100kg

LE50

Width 64mm
Max. stroke 1000mm 225
Max. payload 500kg

LE100

Width 110mm
Max. stroke 1500mm 232
Max. payload 1700kg

LE63

Width 75mm
Max. stroke 1200mm 228
Max. payload 700kg

CATALOG INDEX

12 Standard accessories - fisheye connectors

Fish-eye joint

..... 234

Double earrings

..... 239

Floating joint

..... 235

Guiding stent

..... 241

Type I connector

..... 236

Front end flange

..... 242

Y-shaped connector

..... 237

Briquette

..... 244

Single earring

..... 238

CATALOG INDEX

13 European belt EGK series

EGK70

Width 69mm
Max. stroke 5000mm 248
Max. payload 15kg

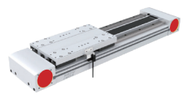
EGK125

Width 124mm
Max. stroke 6000mm 259
Max. payload 40kg

EGK80

Width 84mm
Max. stroke 5000mm 253
Max. payload 20kg

EGK160



Width 162mm
Max. stroke 6000mm 261
Max. payload 100kg

EGK120

Width 120mm
Max. stroke 5000mm 257
Max. payload 70kg

EGK220

Width 162mm
Max. stroke 6000mm 263
Max. payload 100kg

CATALOG INDEX

14 European belt MK series

MK65

Width 65mm
Max. stroke 5000mm 268
Max. payload 60kg

MK110

Width 110mm
Max. stroke 4800mm 280
Max. payload 200kg

MK85

Width 85mm
Max. stroke 5000mm 274
Max. payload 100kg

CATALOG INDEX

15 Linear motor module TLM series

TLM65

Width 70mm
Sustained thrust 48-144N 289
Max.thrust 138-414N

TLM170

Width 170mm
Sustained thrust 138-414N 301
Max.thrust 371-1113N

TLM85

Width 92mm
Sustained thrust 60-180N 293
Max.thrust 173-519N

TLM210

Width 210mm
Sustained thrust 189-567N 305
Max.thrust 522-1566N

TLM140

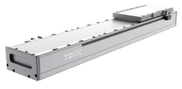
Width 140mm
Sustained thrust 91-273N 297
Max.thrust 252-756N

TLM235

Width 235mm
Sustained thrust 398-1592N 309
Max.thrust 845-3380N

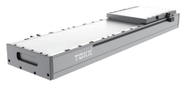
16 Linear motor fully sealed module TSLM series

TSLM140



Width 140mm
Sustained thrust 48-144N 318
Max.thrust 138-414N

TSLM210

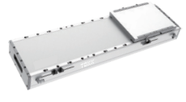


Width 210mm
Sustained thrust 91-567N 332
Max.thrust 252-1566N

TSLM170

Width 170mm
Sustained thrust 91-273N 326
Max.thrust 252-756N

TSLM230



Width 235mm
Sustained thrust 234-819N 343
Max.thrust 648-2277N

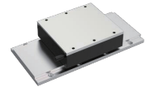
CATALOG INDEX

17 With iron core linear motor TIC series

TICA35

Width 35mm
Sustained thrust 48-144N 355
Max.thrust 138-414N

TICA95



Width 95mm
Sustained thrust 189-566N 367
Max.thrust 522-1566N

TICA40

Width 40mm
Sustained thrust 60-179N 357
Max.thrust 173-518N

TICAA95

Width 95mm
Sustained thrust 252-1005N 369
Max.thrust 564-2250N

TICA55

Width 55mm
Sustained thrust 91-273N 359
Max.thrust 252-756N

TICA115

Width 115mm
Sustained thrust 234-702N 371
Max.thrust 648-1944N

TICAA55

Width 55mm
Sustained thrust 118-471N 361
Max.thrust 270-1073N

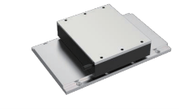
TICA125

Width 125mm
Sustained thrust 273-819N 373
Max.thrust 759-2277N

TICA75

Width 75mm
Sustained thrust 138-413N 363
Max.thrust 371-1113N

TICA135



Width 135mm
Sustained thrust 294-882N 375
Max.thrust 851-2553N

TICAA75

Width 75mm
Sustained thrust 186-739N 365
Max.thrust 413-1652N

TICG50

Width 51mm
Sustained thrust 119.4-477.6N 377
Max.thrust 253.5-1014N

CATALOG INDEX

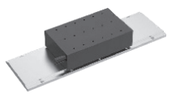
TICG70

Width 71mm
Sustained thrust 199-796N 379
Max.thrust 422.5-1690N

TICG170

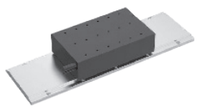
Width 171mm
Sustained thrust 2388-4776N 383
Max.thrust 5070-10140N

TICG120



Width 121mm
Sustained thrust 398-1592N 381
Max.thrust 845-3380N

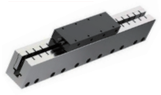
TICG220



Width 221mm
Sustained thrust 3184-6368N 385
Max.thrust 6760-13520N

18 Coreless linear motor TU series

TUA38



Width 38mm
Sustained thrust 26-130N 389
Max.thrust 144-720N

TUC48

Width 48mm
Sustained thrust 170-722.5N 393
Max.thrust 850-3612.5N

TUB38

Width 38mm
Sustained thrust 51-255N 391
Max.thrust 288-1440N

Sliding table series

LGTH Series

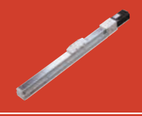
Standard/Built-in Linear Motion Guide Ball Screw Actuator

CONTENTS

Standard/Ball Screw

Dual Carriage Synchronous Movement In Reverse Direction

SMALL
LGTH4

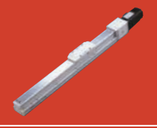


Width 44mm
Max. stroke 800mm
Max. payload 25kg

MEDIUM
LGTH5S

Width 54mm
Max. stroke 325mm
Max. payload 30kg

SMALL
LGTH5



Width 54mm
Max. stroke 800mm
Max. payload 30kg

MEDIUM
LGTH8S

Width 82mm
Max. stroke 450mm
Max. payload 50kg

MEDIUM
LGTH8

Width 82mm
Max. stroke 1100mm
Max. payload 50kg

LARGE
LGTH12

Width 120mm
Max. stroke 1250mm
Max. payload 110kg

Spec Index of Electric Actuator

LGTH Built-in Linear Motion Guide Ball Screw Actuator-Slider Type

Environment	Driven Mode	Specification	Motor Output (w)	Width(mm)	Repeatability(mm)	Ball Screw Spec		Maximum Payload(kg)		Maximum Speed (mm/s)
						Outer Diameter(mm)	Lead(mm)	Horizontal	Vertical	
Standard	Ball screw	LGTH4	100W	44	±0.005	10	2	25	8	100
							6	20	8	300
							12	12	3.5	600
		LGTH5	100W	54	±0.005	12	5	30	10	250
							10	15	5	500
							20	10	2.5	1000
		LGTH8	400W	82	±0.005	16	5	50	15	250
							10	30	8	500
							20	18	3	1000
		LGTH12	400W	120	±0.005	16	5	110	33	250
							10	88	22	500
							20	40	10	1000
							32	30	8	1600

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

Written here is the standard storke's maximum safe speed. If over this speed, it may casue serious virbration.

Stroke(mm) & Maximum Speed(mm/s)																											Speed
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	
100												90	80	70	60	50												
300												270	240	210	180	150												
600												540	480	420	360	300												
100													90	80	70	60												
250													270	200	175	150												
500													450	400	350	300												
1000													900	800	700	600												
250																225	200	175	150	125	100	75						
500																450	400	350	300	250	200	150						
1000																900	800	700	600	500	400	300						
250																	225	200	175	167	158	150	133	125	117			
500																	450	400	350	333	317	300	267	250	233			
1000																	900	800	700	667	633	600	533	500	467			
1600																	1440	1280	1120	1067	1013	900	853	800	747			

Dual Carriage Synchronous Movement In Reverse Direction

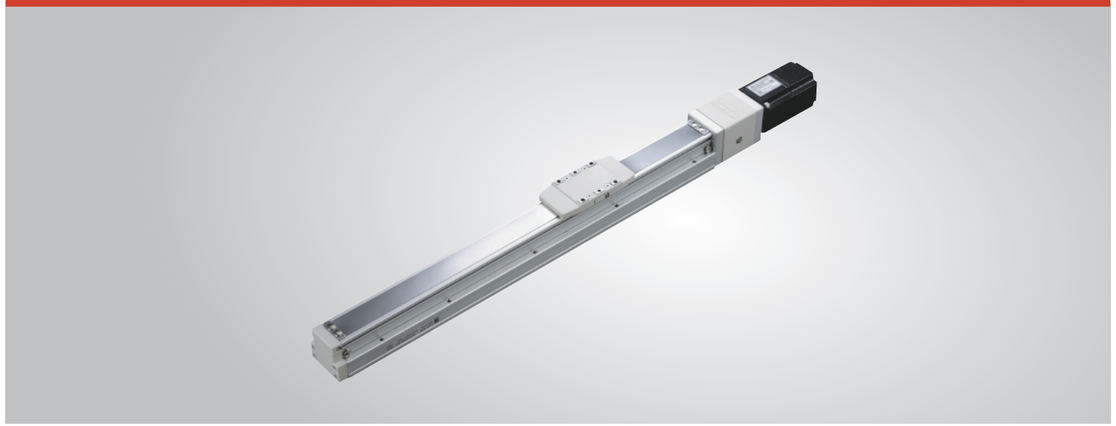
Environment	Driven Mode	Specification	Motor Output (w)	Width(mm)	Repeatability(mm)	Ball Screw Spec		Maximum Payload(kg)		Maximum Speed (mm/s)
						Outer Diameter(mm)	Lead(mm)	Horizontal	Vertical	
Standard	Ball screw	LGTH5S	100W	54	±0.01	12	2	30	10	100
		LGTH8S	200W	82	±0.01	16	5	50	15	250
			400W							

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

| Stroke(mm) & Maximum Speed(mm/s) | | | | | | | | | | | | | | | | | | |

LGTH4 single-axis/1-axis

Track embedding Screw drive



Maximum Stroke 800mm | Maximum Speed 600mm/s | Motor output 100W | Ball Screw Φ10mm

Model naming method

LGTH4 - L2 - 100 - BC - M10B - C4 - 0001

Model

Ball Screw Lead

2	2mm
5	5mm
10	10mm

Stroke

50-800mm
50mm pitch

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	100W	
Y	yaskawa	20	-	
T	Delta	40	-	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

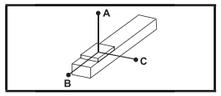
Product parameter

Position repetition accuracy (mm)		±0.01		
Ball Screw Lead (mm)		2	5	10
Max. speed(mm/s)		100	250	500
Max. oad(KG)	Max. horizontal load(KG)	25	20	12
	Max. vertical load(KG)	8	8	3.5
Standard stroke (mm)		50mm Pitch		
AC servo motor capacity(W)		100		
Ball Screw (mm)		C7Φ10		
Coupling (mm)		7×8		
Origin inductor	Plug-in	T74N2(NPN)		

Acceleration and deacceleration value is set 0.2 second.

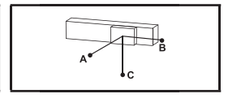
When the stroke is over 550mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances Please refer to instructions on page P15 for details .

Allowable Overhang



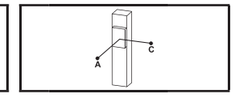
(Unit : mm)

Horizontal Installation		A	B	C
2 Lead	12kg	1000	55	80
	18kg	750	35	50
	25kg	500	23	32
6 Lead	10kg	550	53	70
	15kg	350	32	45
	20kg	250	22	31
12 Lead	8kg	305	59	75
	10kg	240	45	57
	12kg	195	37	47



(Unit : mm)

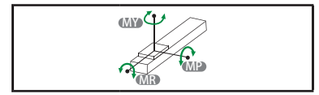
Wall Installation		A	B	C
2 Lead	12kg	80	55	1000
	18kg	50	35	750
	25kg	32	23	500
6 Lead	10kg	72	52	550
	15kg	45	32	345
	20kg	31	22	250
12 Lead	8kg	75	59	300
	10kg	58	45	240
	12kg	47	37	190



(Unit : mm)

Vertical Installation		A	C
2 Lead	4kg	195	195
	8kg	100	100
	-	-	-
6 Lead	4kg	150	150
	8kg	75	75
	-	-	-
12 Lead	2kg	260	260
	3.5kg	150	150
	-	-	-

Static Loading Moment



(Unit : mm)

MY	79
MP	79
MR	116

The torque value in the chart indicate the center of gravity.

Operation life is 8000km when the product is using under the specified conditions.

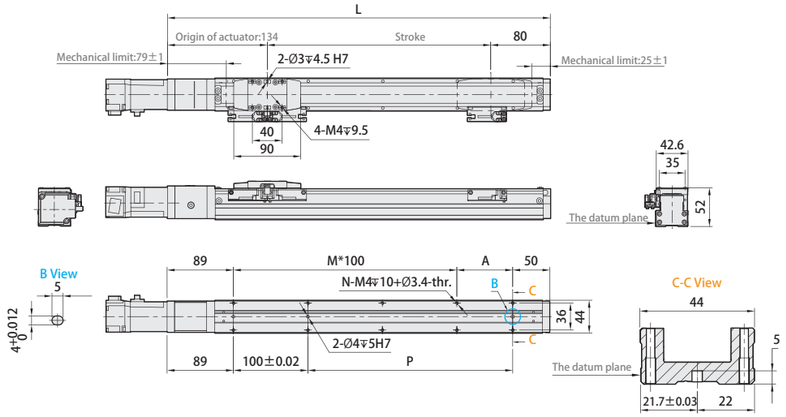
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
		With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
		With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
		With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B

BC Motor Exposed

Unit:mm

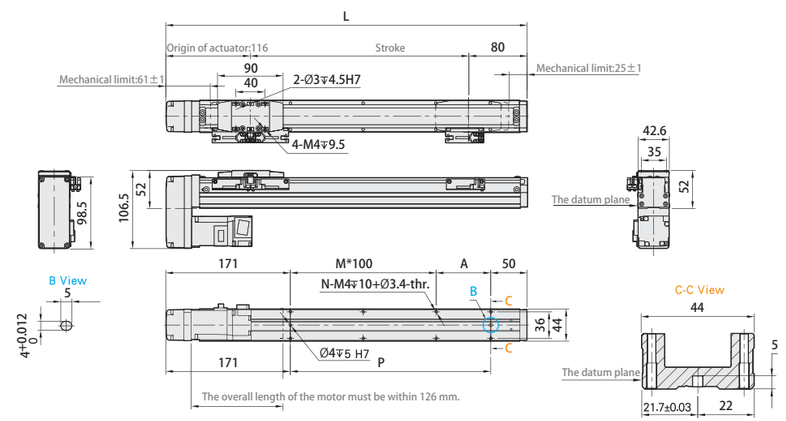


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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

BM Motor Bottom Side

Unit:mm



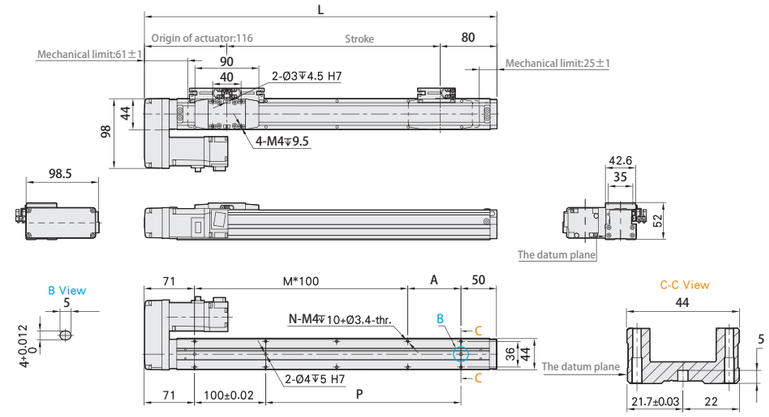
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.04	1.22	1.40	1.58	1.76	1.94	2.12	2.30	2.48	2.66	2.84	3.02	3.20	3.38	3.56	3.74

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Plea ase contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

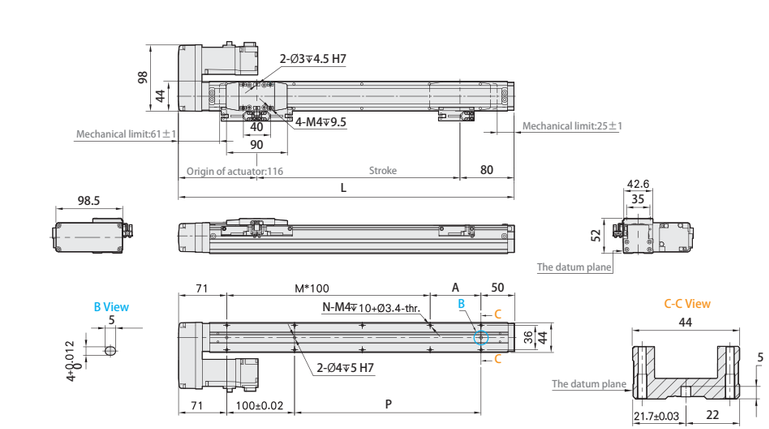


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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

BR Motor Right Side

单位 Unit:mm

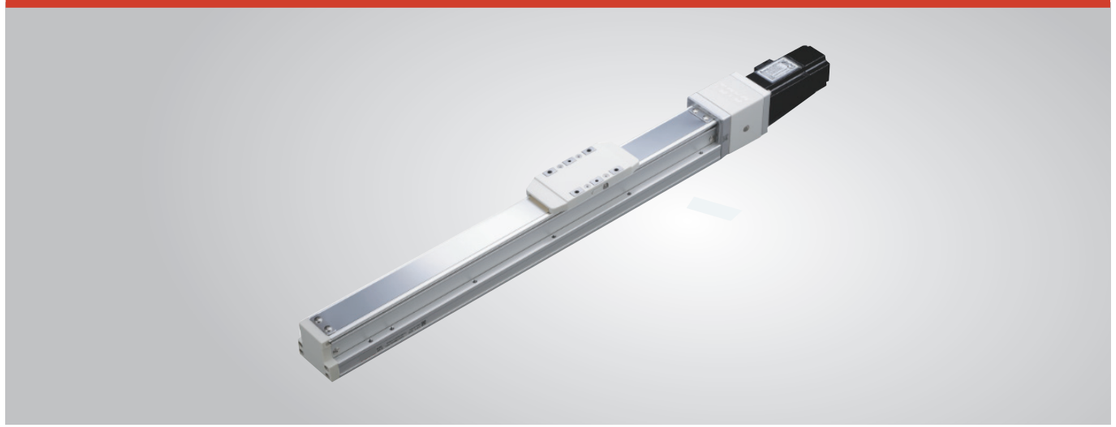


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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

LGTH5 single-axis/1-axis

Track embedding Screw drive



Maximum Stroke	Maximum Speed	Motor output	Ball Screw
800mm	1000mm/s	100W	Φ12mm

Model naming method

LGTH5 - L5 - 100 - BC - M10B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm

Stroke

50-800mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	100W	
Y	yaskawa	20	- -	
T	delta	40		

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

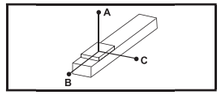
Product parameter

Position repetition accuracy (mm)		±0.01		
Ball Screw Lead (mm)		5	10	20
Max. speed(mm/s)		250	500	1000
Max. oad(KG)	Max. horizontal load(KG)	30	15	10
	Max. vertical load(KG)	10	5	2.5
Standard stroke (mm)		50mm Pitch		
AC servo motor capacity(W)		100		
Ball Screw (mm)		C7Φ12		
Coupling (mm)		7×8		
Origin inductor	Plug-in	T74N2(NPN)		

Acceleration and deacceleration value is set 0.2 second.

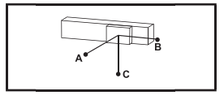
When the stroke is over 550mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances Please refer to instructions on page P15 for details .

Allowable Overhang



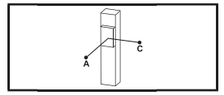
(Unit : mm)

Horizontal Installation		A	B	C
2 Lead	10kg	900	100	135
	20kg	700	45	60
	30kg	550	25	35
5 Lead	10kg	650	75	100
	20kg	440	32	45
	30kg	270	19	25
10 Lead	5kg	600	145	185
	10kg	370	70	85
	15kg	250	42	52
20 Lead	5kg	320	120	130
	8kg	220	70	80
	10kg	175	55	60



(Unit : mm)

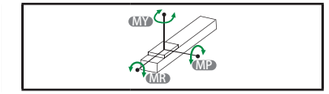
Wall Installation		A	B	C
2 Lead	10kg	135	100	900
	20kg	60	45	700
	30kg	37	27	550
5 Lead	10kg	100	75	650
	20kg	45	32	420
	30kg	25	19	260
10 Lead	5kg	180	145	600
	10kg	85	68	370
	15kg	52	42	250
20 Lead	5kg	130	120	320
	8kg	75	70	220
	10kg	60	55	170



(Unit : mm)

Vertical Installation		A	C
2 Lead	6kg	180	180
	8kg	135	135
	10kg	110	110
5 Lead	6kg	145	145
	8kg	110	110
	10kg	90	90
10 Lead	1kg	800	800
	3kg	260	260
	5kg	155	155
20 Lead	1kg	600	600
	2kg	300	300
	2.5kg	250	250

Static Loading Moment



(Unit : mm)

MY	103
MP	103
MR	114

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.

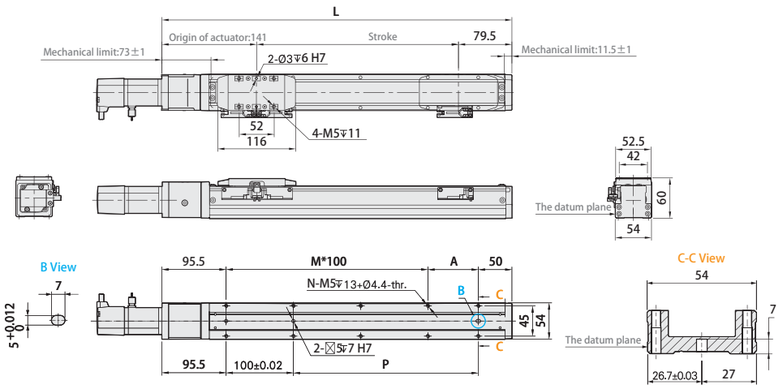
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
		With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
		With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
		With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B

BC Motor Exposed

Unit:mm

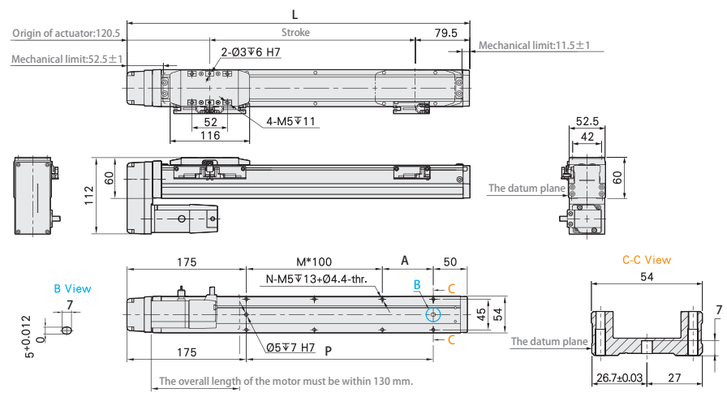


Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	270.5	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.65	1.79	1.92	2.11	2.39	2.50	2.52	2.75	2.86	2.95	3.15	3.28	3.44	3.58	3.71	4.09

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BM Motor Bottom Side

单位 Unit:mm



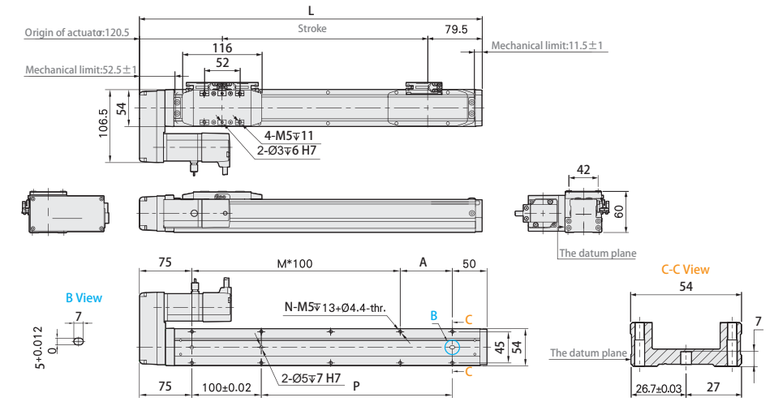
Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.68	1.80	2.03	2.14	2.42	2.53	2.58	2.78	2.89	2.98	3.18	3.31	3.47	3.60	3.74	4.12

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

单位 Unit:mm

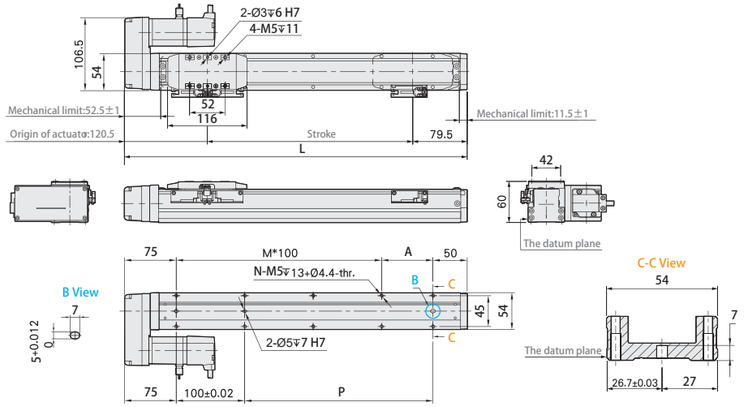


有效行程 Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.68	1.80	2.03	2.14	2.42	2.53	2.58	2.78	2.89	2.98	3.18	3.31	3.47	3.60	3.74	4.12

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BR Motor Right Side

单位 Unit:mm



Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.68	1.80	2.03	2.14	2.42	2.53	2.58	2.78	2.89	2.98	3.18	3.31	3.47	3.60	3.74	4.12

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

LGTH8 single-axis/1-axis

Track embedding Screw drive

Maximum Stroke	Maximum Speed	Motor output	Ball Screw
1100mm	1000mm/s	400W	Φ16mm

Model naming method

LGTH8 - L10 - 100 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm

Stroke: 50-1100mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	-	
Y	yaskawa	20	-	
T	delta	40	400W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

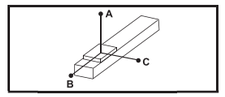
Product parameter

Position repetition accuracy(mm)		±0.01		
Ball Screw Lead(mm)		5	10	20
Max. speed(mm/s)		250	500	1000
Max. oad(KG)	Max. horizontal load(KG)	50	30	18
	Max. vertical load(KG)	15	8	3
Stationary thrus（N）t		1388	695	347
Standard stroke（mm）		50mm Pitch		
AC servo motor capacity(W)		400		
Ball Screw（mm）		C7Φ16		
Coupling（mm）		10×14		
Origin inductor	Plug-in	T74N2(NPN)		

Acceleration and deacceleration value is set 0.2 second.

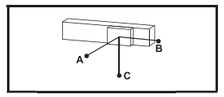
When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances Please refer to instructions on page P15 for details .

Allowable Overhang



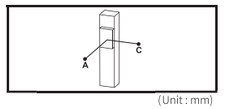
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	20kg	1560	153	237
	35kg	890	81	126
	50kg	550	53	82
10 Lead	10kg	1730	286	412
	20kg	839	136	196
	30kg	541	86	124
20 Lead	6kg	1213	403	493
	9kg	800	264	323
	18kg	592	194	238



(Unit : mm)

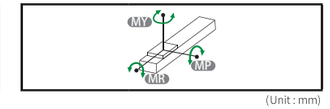
Wall Installation		A	B	C
5 Lead	20kg	214	153	1435
	35kg	113	81	845
	50kg	74	53	506
10 Lead	10kg	370	286	1400
	20kg	176	136	800
	30kg	112	86	495
20 Lead	6kg	444	403	760
	9kg	292	264	650
	18kg	214	194	544



(Unit : mm)

Vertical Installation		A	C
5 Lead	10kg	331	331
	15kg	220	220
	-	-	-
10 Lead	5kg	589	589
	8kg	368	368
	-	-	-
20 Lead	3kg	935	935
	-	-	-
	-	-	-

Static Loading Moment



(Unit : mm)

MY	318
MP	318
MR	626

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.

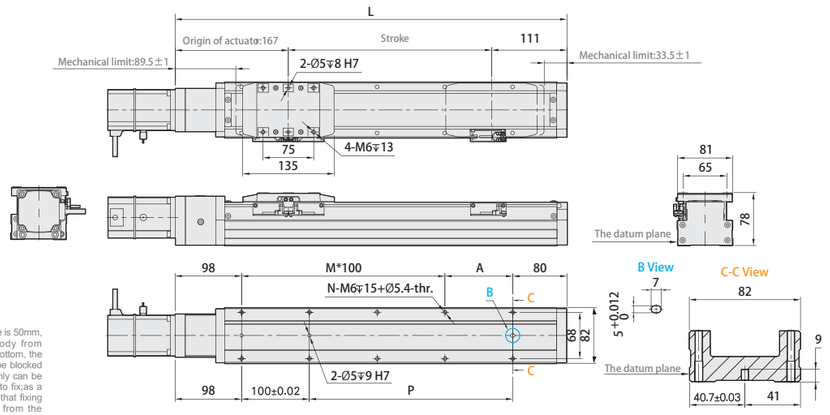
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MHMD042G1V	MBDHT2510
Delta	I	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

BC Motor Exposed

Unit:mm

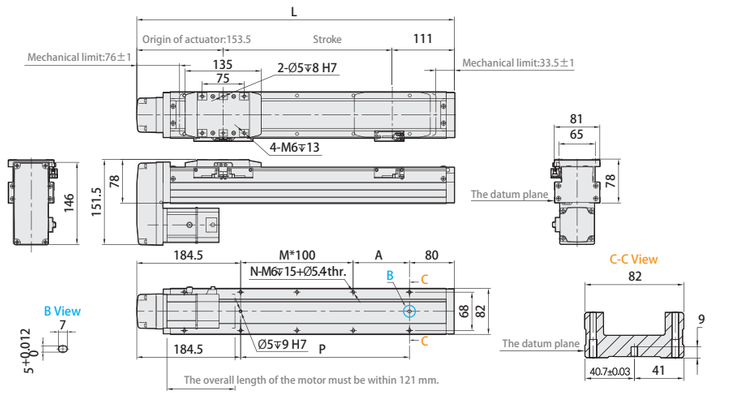


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328	1378
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	3.91	4.29	4.70	5.00	5.35	5.68	6.00	6.35	6.64	6.97	7.41	7.71	8.12	8.41	8.65	8.96	9.37	9.62	10.01	10.28	10.70	11.12

BM Motor Bottom Side

Unit:mm



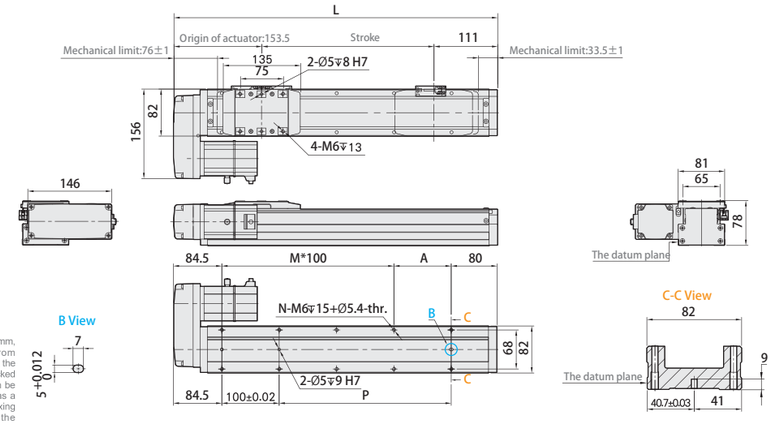
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5	
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	3.95	4.33	4.74	5.09	5.39	5.72	6.04	6.39	6.68	7.01	7.45	7.75	8.16	8.45	8.69	9.00	9.41	9.66	10.08	10.32	10.74	11.16

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

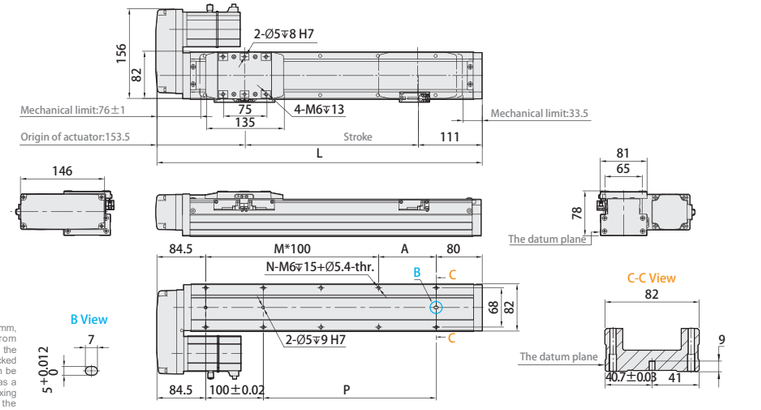


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	3.95	4.33	4.74	5.09	5.39	5.72	6.04	6.39	6.68	7.01	7.45	7.75	8.16	8.45	8.69	9.00	9.41	9.66	10.08	10.32	10.74	11.16

BR Motor Right Side

Unit:mm



When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	3.95	4.33	4.74	5.09	5.39	5.72	6.04	6.39	6.68	7.01	7.45	7.75	8.16	8.45	8.69	9.00	9.41	9.66	10.08	10.32	10.74	11.16

LGTH12 single-axis/1-axis

Track embedding Screw drive

Maximum Stroke	Maximum Speed	Motor output	Ball Screw
1250mm	1600mm/s	400W	Φ16mm

Model naming method

LGTH12 - L5 - 100 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

50-1250mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	-	
Y	yaskawa	20	-	
T	Delta	40	400W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

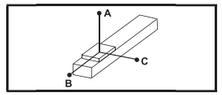
Product parameter

Position repetition accurac(mm)y		±0.01			
Ball Screw Lead(mm)		5	10	20	32
Max. speed(mm/s)		250	500	1000	1600
Max. oad(KG)	Max. horizontal load(KG)	110	88	40	30
	Max. vertical load	33	22	10	8
Standard stroke (mm)		50mm Pitch			
AC servo motor capacity(W)		400			
Ball Screw (mm)		C7Φ10			
Coupling (mm)		10×14			
Origin inductor	Plug-in	T74N2(NPN)			

Acceleration and deacceleration value is set 0.2 second.

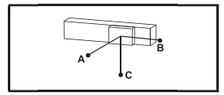
When the stroke is over 800mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances. Please refer to instructions on page P15 for details

Allowable Overhang



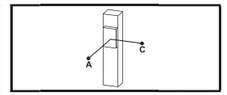
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	60kg	2850	250	340
	80kg	2100	180	250
	110kg	1500	120	170
10 Lead	30kg	2850	490	600
	50kg	1700	280	350
	88kg	950	140	190
20 Lead	10kg	3400	1250	1400
	22kg	1650	550	620
	40kg	900	290	330
32 Lead	15kg	1100	570	550
	25kg	620	330	320
	30kg	520	270	260



(Unit : mm)

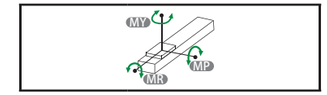
Wall Installation		A	B	C
5 Lead	55kg	280	280	3300
	75kg	200	195	2400
	110kg	130	125	1550
10 Lead	35kg	400	410	2500
	55kg	245	250	1550
	88kg	150	150	950
20 Lead	12kg	900	1070	3000
	20kg	550	630	1800
	40kg	260	300	900
32 Lead	15kg	440	570	1050
	30kg	210	270	520
	-	-	-	-



(Unit : mm)

Vertical Installation		A	C
5 Lead	15kg	1200	1200
	22kg	820	820
	33kg	550	550
10 Lead	10kg	1600	1600
	14kg	1150	1150
	22kg	730	730
20 Lead	7kg	1800	1800
	10kg	1250	1250
	-	-	-
32 Lead	5kg	1600	1600
	8kg	1000	1000
	-	-	-

Static Loading Moment



(Unit : mm)

MY	606
MP	606
MR	1168

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

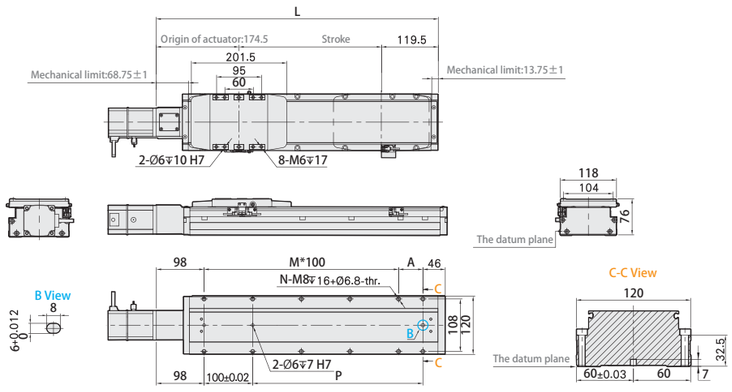
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MSMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MSMD042G1V	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

BC Motor Exposed

Unit:mm

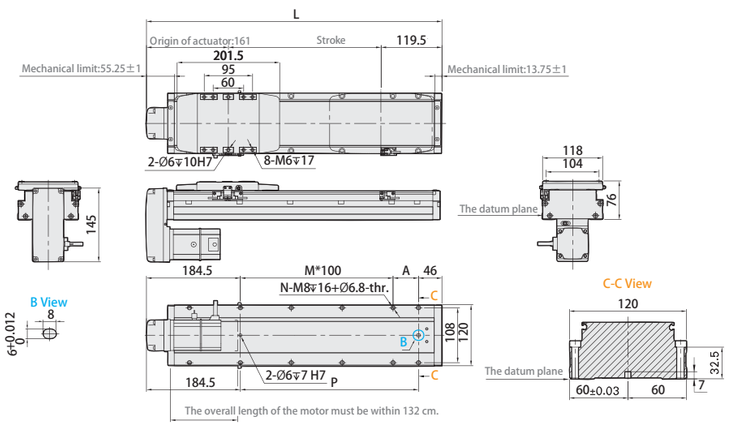


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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

BM Motor Bottom Side

Unit:mm



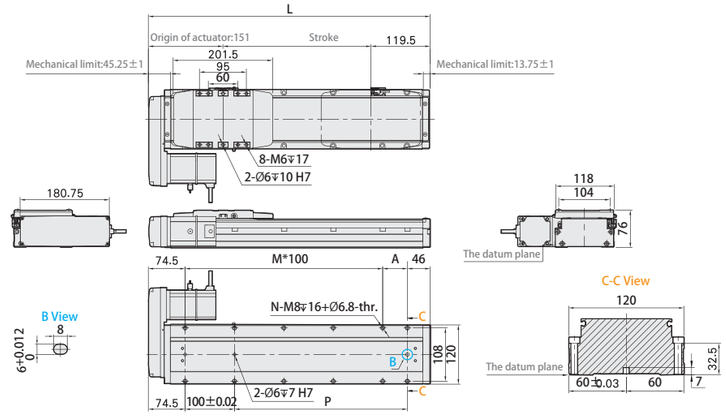
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	330.5	380.5	430.5	480.5	530.5	580.5	630.5	680.5	730.5	780.5	830.5	880.5	930.5	980.5	1030.5	1080.5	1130.5	1180.5	1230.5	1280.5	1330.5	1380.5	1430.5	1480.5	1530.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
KG	5.21	5.56	5.91	6.26	6.61	6.96	7.31	7.66	8.01	8.36	8.71	9.06	9.41	9.76	10.11	10.46	10.81	11.16	11.51	11.86	12.21	12.56	12.91	13.26	13.61

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

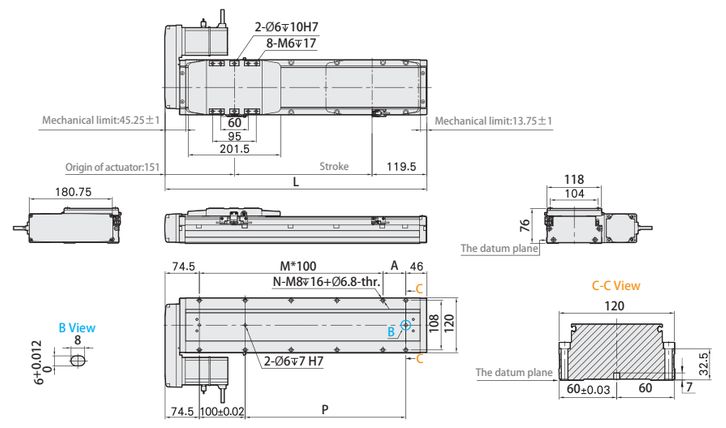


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
KG	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.56	12.91	13.26	13.61

BR Motor Right Side

Unit:mm

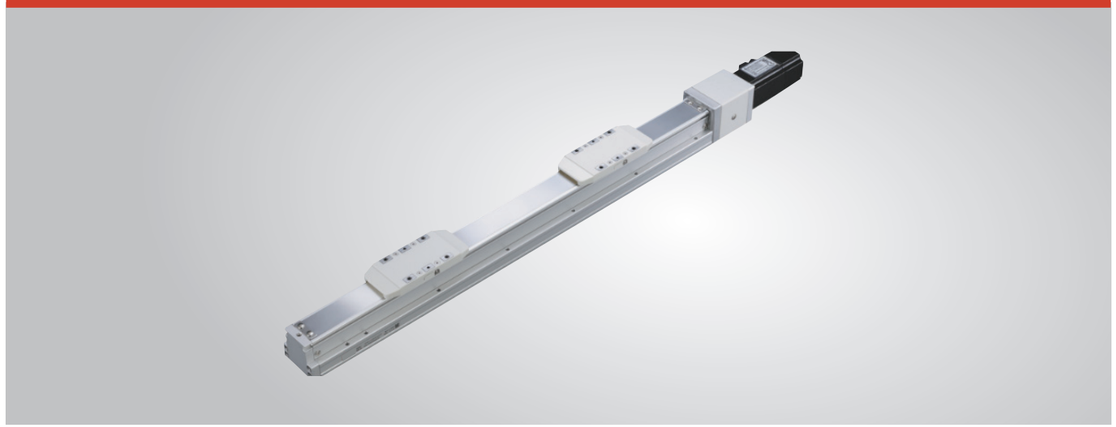


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 ※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
KG	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.56	12.91	13.26	13.61

LGTH5S single-axis/1-axis

Track embedding Screw drive



Maximum Stroke	Maximum Speed	Motor output	Ball Screw
325mm	100mm/s	100W	Φ12mm

Model naming method

LGTH5S - L2 - 100 - BC - M10B - C4 - 0001

Model

Characteristic pattern

Ball Screw Lead

2	2mm

Stroke

25-325mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	100W	
Y	yaskawa	20	-	
T	delta	40	-	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

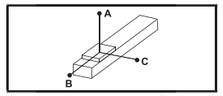
Product parameter

Position repetition accuracy(mm)		±0.01
Ball Screw Lead(mm)		2
Max. speed(mm/s)		100
Max. oad(KG)	Max. horizontal load(KG)	30（Dual carriage）
	Max. vertical load(KG)	10（Dual carriage）
Stationary thrust		854
Standard stroke(mm)		25-325mm/25 Pitch
AC servo motor capacity(W)		100
Ball Screw（mm）		C7Φ12
Coupling（mm）		7×8
Origin inductor	Plug-in	T74N2(NPN)

Acceleration and deacceleration value is set 0.2 second.

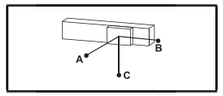
Dual carriage synchronous movement in reverse direction can only fit at lead of 2mm. Please refer to instructions on page P15 for details

Allowable Overhang



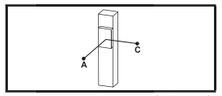
(Unit : mm)

Horizontal Installation		A	B	C
程 2 Lead	10kg	900	100	135
	20kg	700	45	60
	30kg	550	25	35



(Unit : mm)

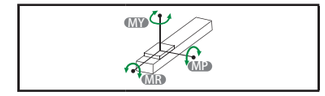
Wall Installation		A	B	C
2 Lead	10kg	135	100	900
	20kg	60	45	700
	30kg	37	27	550



(Unit : mm)

Vertical Installation		A	C
2 Lead	6kg	180	180
	8kg	135	135
	10kg	110	110

Static Loading Moment



(Unit : mm)

MY	103
MP	103
MR	144

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

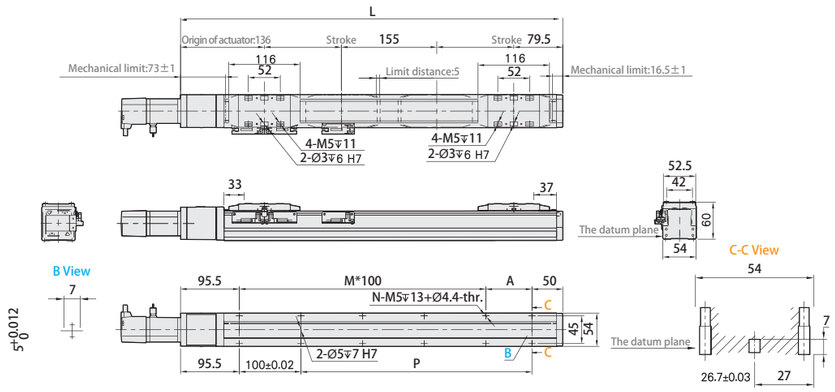
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
		With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
		With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
		With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B

BC Motor Exposed

Unit:mm

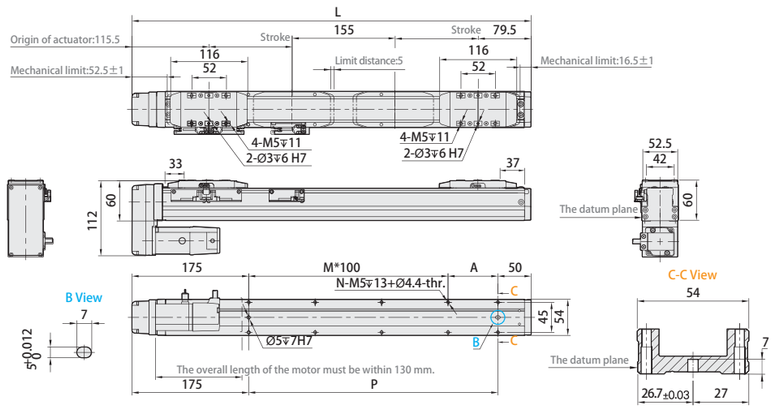


Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325
L	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
A	75	25	75	25	75	25	75	25	75	25	75	25	75
M	2	3	3	4	4	5	5	6	6	7	7	8	8
N	8	10	10	12	12	14	14	16	16	18	18	20	20
P	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	2.82	3.01	3.21	3.41	3.6	3.8	4	4.19	4.39	4.59	4.78	4.98	5.18

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BM Motor Bottom Side

Unit:mm



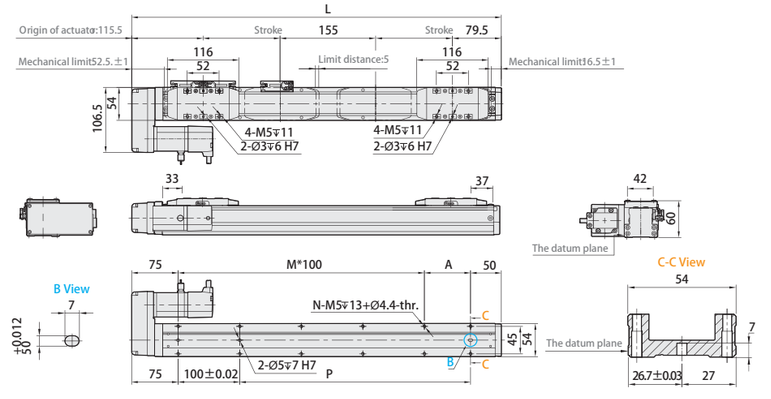
Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325
L	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	2	2	3	3	4	4	5	5	6	6	7	7
N	6	8	8	10	10	12	12	14	14	16	16	18	18
P	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	2.99	3.18	3.38	3.58	3.77	3.97	4.17	4.36	4.56	4.76	4.95	5.15	5.35

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

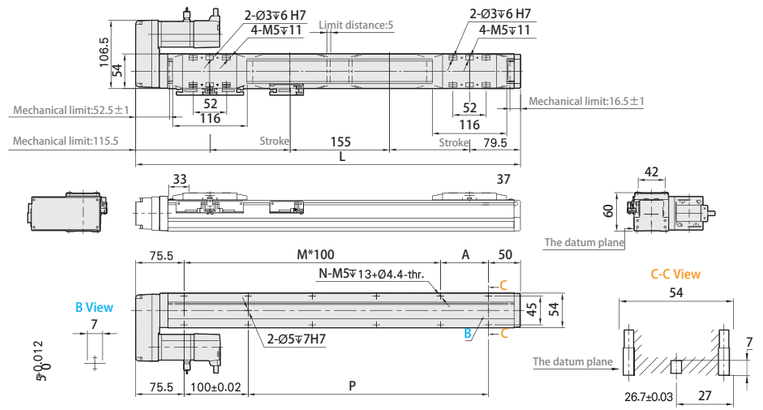


Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325
L	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	75	25	75	25	75	25	75	25	75	25	75	25	75
M	2	3	3	4	4	5	5	6	6	7	7	8	8
N	8	10	10	12	12	14	14	16	16	18	18	20	20
P	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	2.99	3.18	3.38	3.58	3.77	3.97	4.17	4.36	4.56	4.76	4.95	5.15	5.35

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BR Motor Right Side

Unit:mm

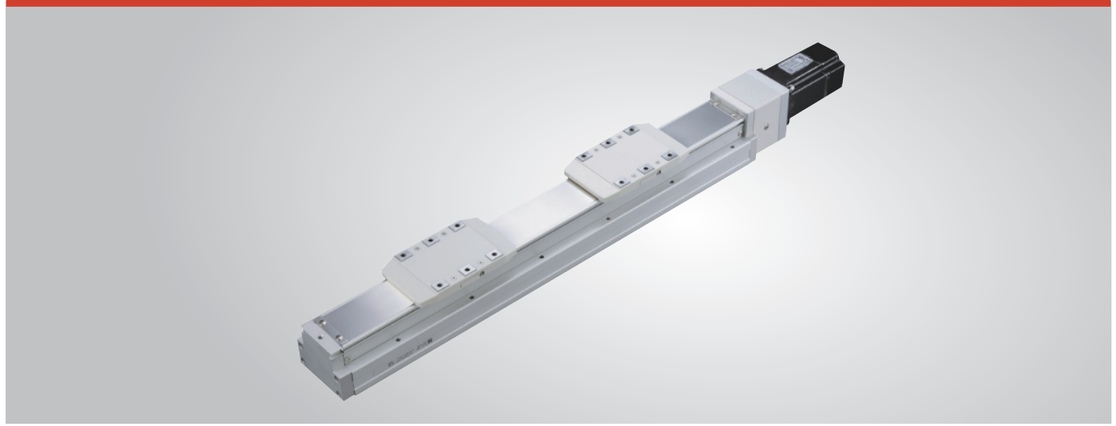


Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325
L	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	75	25	75	25	75	25	75	25	75	25	75	25	75
M	2	3	3	4	4	5	5	6	6	7	7	8	8
N	8	10	10	12	12	14	14	16	16	18	18	20	20
P	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	2.99	3.18	3.38	3.58	3.77	3.97	4.17	4.36	4.56	4.76	4.95	5.15	5.35

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

LGTH8S single-axis/1-axis

Track embedding Screw drive



Maximum Stroke 450mm | Maximum Speed 250mm/s | Motor output 400W | Ball Screw Φ16mm

型号命名方式 Model naming method

LGTH8S - L5 - 100 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm

Stroke

25-450mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	-	
Y	yaskawa	20	-	
T	delta	40	400W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

Product parameter

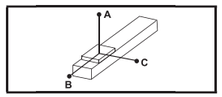
Position repetition accuracy (mm)		±0.01
Ball Screw Lead (mm)		5
Max. speed(mm/s)		250
Max. oad	Max. horizontal load(KG)	50 (Dual carriage)
	Max. vertical load(KG)	15 (Dual carriage)
Stationary thrust (N)		1388
Standard stroke (mm)		25-450mm/ 25mm Pitch
AC servo motor capacity(W)		400
Ball Screw (mm)		C7Φ16
Coupling (mm)		10×14
Origin inductor	Plug-in	T74N2(NPN)

Acceleration and deacceleration value is set 0.2 second.

Dual carriage synchronous movement in reverse direction can only fit at lead of 5mm.

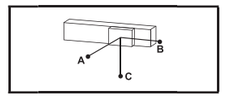
Motor (200W) Shaft Diameter: Panasonic: 11mm; Other: 14mm.

Allowable Overhang



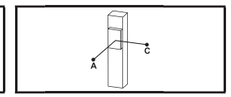
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	20kg	1560	153	237
	35kg	890	81	126
	50kg	550	53	82



(Unit : mm)

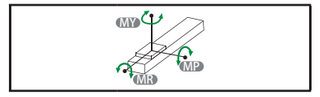
Wall Installation		A	B	C
5 Lead	20kg	214	153	1435
	35kg	113	81	845
	50kg	74	53	506



(Unit : mm)

Vertical Installation		A	C
5 Lead	10kg	331	331
	15kg	220	220
	-	-	-

Static Loading Moment



(Unit : mm)

MY	318
MP	318
MR	626

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

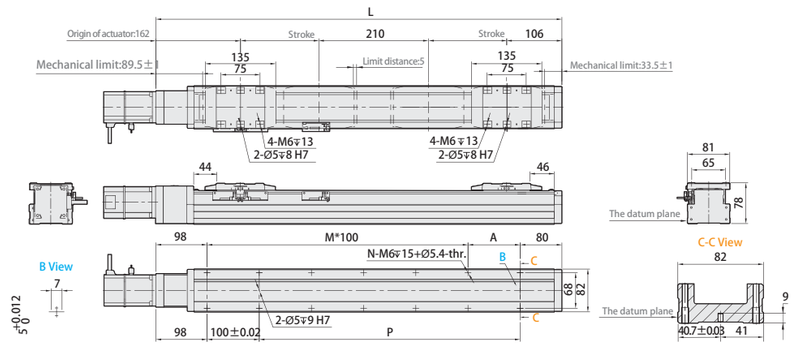
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR13	MR-J4-10A
		With Brake (Vertical Type)	400	220	HG-KR13B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	400	220	MSMD012G1U	MADHT1505
		With Brake (Vertical Type)	400	220	MSMD012G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20401ES	ASD-B20121-B
		With Brake (Vertical Type)	400	220	ECMA-C20401FS	ASD-B20121-B

BC Motor Exposed

Unit:mm

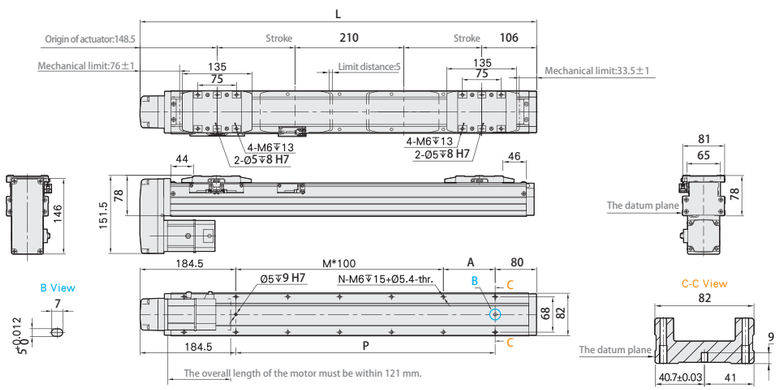


Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450
L	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328	1378
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	6.64	7.00	7.37	7.73	8.10	8.46	8.83	9.19	9.56	9.92	10.29	10.65	11.02	11.38	11.75	12.11	12.48	12.85

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BM Motor Bottom Side

Unit:mm



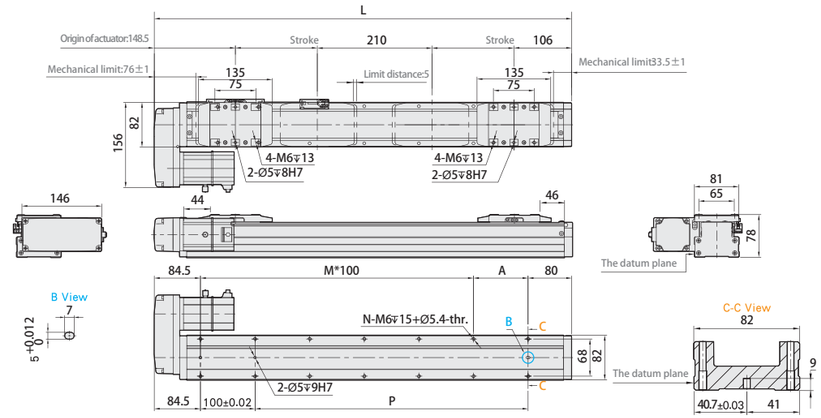
Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450
L	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.51	214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
P	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92	14.44	14.96	15.48	12.85

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

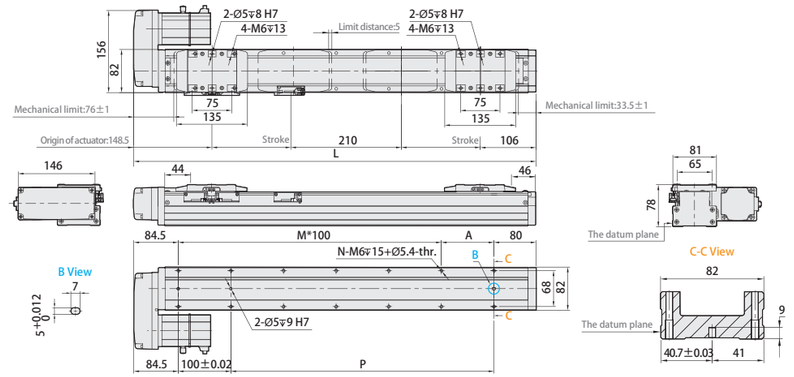


Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450
L	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.51	214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92	14.44	14.96	15.48	12.85

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BR Motor Right Side

Unit:mm

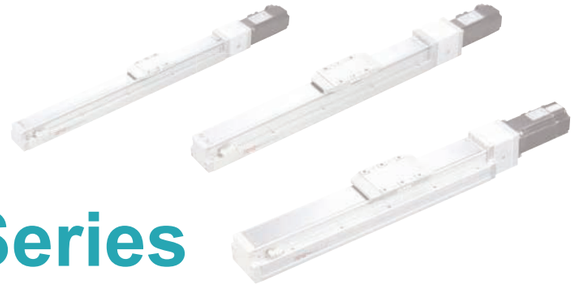


Stroke	25	50 ※	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450
L	514.5	564.5	615.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.51	214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	7.16	7.68	8.2	8.72	9.24	9.76	10.28	10.8	11.32	11.84	12.36	12.88	13.4	13.92	14.44	14.96	15.48	12.85

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

MEMO

Sliding table series



LGCH Series

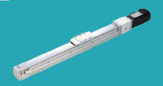
Clean Room/Built-in Linear Motion Guide Ball Screw Actuator

CONTENTS

Clean Room/Ball Screw

小型 SMALL

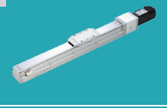
LGCH4



Width 44mm
Max. stroke 800mm
Max. payload 25kg

小型 SMALL

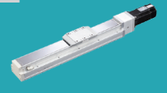
LGCH5



Width 54mm
Max. stroke 800mm
Max. payload 30kg

中型 MEDIUM

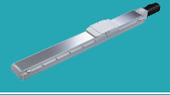
LGCH8



Width 82mm
Max. stroke 1100mm
Max. payload 50kg

中型 MEDIUM

LGCH12



Width 120mm
Max. stroke 1250mm
Max. payload 110kg

Spec Index of Electric Actuator

LGCH cleam Room Built-in Linear Motion Guide Ball Screw Actuator

Environment	Driven Mode	Specification	Motor Output (w)	Width(mm)	Repeatability(mm	Ball Screw Spec		Maximum Payload(kg)		Maximum Speed *1 (mm/s)
						Outer Diameter(mm)	Lead(mm)	Horizontal	Vertical	
Clean Room	Ball screw	LGCH4	50W	44	±0.01	10	2	25	8	100
							6	20	5	300
							12	12	2	600
			100W				2	25	8	100
							6	20	8	300
							12	12	3.5	600
		LGCH5	100W	54	±0.01	12	2	30	10	100
							5	30	10	250
							10	15	5	500
							20	10	2.5	1000
		LGCH8	200W	82	±0.01	16	5	50	15	250
			400W				10	30	8	500
							20	18	3	1000
		LGCH12	400W	120	±0.01	16	5	110	33	250
							10	88	22	500
							20	40	10	1000
							32	30	8	1600

Stroke(mm) & Maximum Speed(mm/s) *2 — Speed

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
				100								90	80	70	60	50											
				300								270	240	210	180	150											
				600								540	480	420	360	300											
				100								90	80	70	60	50											
				300								270	240	210	180	150											
				600								540	480	420	360	300											
				100									90	80	70	60											
				250									270	200	175	150											
				500									450	400	350	300											
				1000									900	800	700	600											
						250										225	200	175	150	125	100	75					
						500										450	400	350	300	250	200	150					
						1000										900	800	700	600	500	400	300					
						250											225	200	175	167	158	150	133	125	117		
						500											450	400	350	333	317	300	267	250	233		
						1000											900	800	700	667	633	600	533	500	467		
						1600											1440	1280	1120	1067	1013	900	853	800	747		

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

Written here is the standard storke' s maximum safe speed. If over this speed, it may casue serious virbration.

LGCH4 single-axis/1-axis

Track embedding Screw drive

Maximum Stroke	Maximum Speed	Motor output	Ball Screw
800mm	600mm/s	100W	Φ10mm

Model naming method

LGCH4 - L2 - 100 - BC - M10B - C4 - 0001

Model

Ball Screw Lead

2	2mm
5	5mm
10	10mm

Stroke

50-800mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	100W	
Y	yaskawa	20	-	
T	Delta	40	-	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

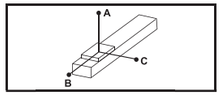
Product parameter

Position repetition accuracy (mm)		±0.01		
Ball Screw Lead (mm)		2	5	10
Max. speed(mm/s)		100	250	500
Max. oad(KG)	Max. horizontal load(KG)	25	20	12
	Max. vertical load(KG)	8	8	3.5
rated thrust(N)		424	141	71
Standard stroke (mm)		50-800mm/50mm Pitch		
AC servo motor capacity (W)		100		
Ball Screw (mm)		C7Φ10		
Coupling (mm)		7×8		
Origin inductor	Plug-in	T74N2(NPN)		

Acceleration and deacceleration value is set 0.2 second.

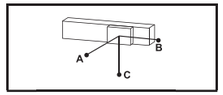
When the stroke is over 550mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances. Please refer to the instructions on page P43 for details

Allowable Overhang



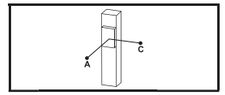
(Unit : mm)

Horizontal Installation		A	B	C
2 Lead	12kg	1000	55	80
	18kg	750	35	50
	25kg	500	23	32
6 Lead	10kg	550	53	70
	15kg	350	32	45
	20kg	250	22	31
12 Lead	8kg	305	59	75
	10kg	240	45	57
	12kg	195	37	47



(Unit : mm)

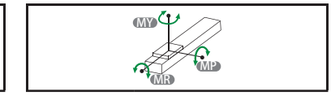
Wall Installation		A	B	C
2 Lead	12kg	80	55	1000
	18kg	50	35	750
	25kg	32	23	500
6 Lead	10kg	72	52	550
	15kg	45	32	345
	20kg	31	22	250
12 Lead	8kg	75	59	300
	10kg	58	45	240
	12kg	47	37	190



(Unit : mm)

Vertical Installation		A	C
2 Lead	4kg	195	195
	8kg	100	100
	-	-	-
6 Lead	3kg	150	150
	5kg	75	75
	-	-	-
12 Lead	1.5kg	260	260
	2kg	150	150
	-	-	-

Static Loading Moment



(Unit : mm)

MY	79
MP	79
MR	116

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

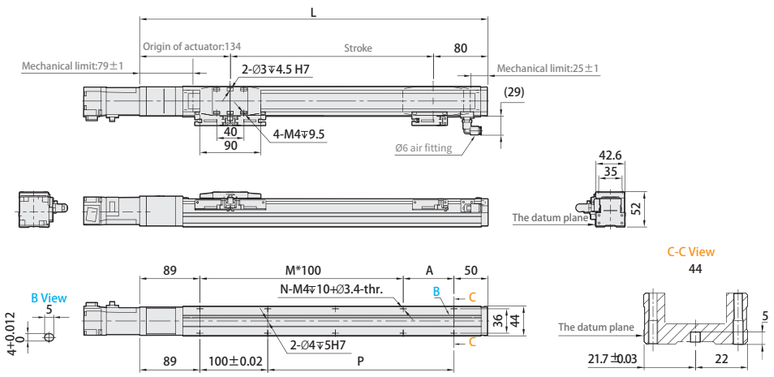
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
		With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
		With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
		With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B

BC Motor Exposed

Unit:mm

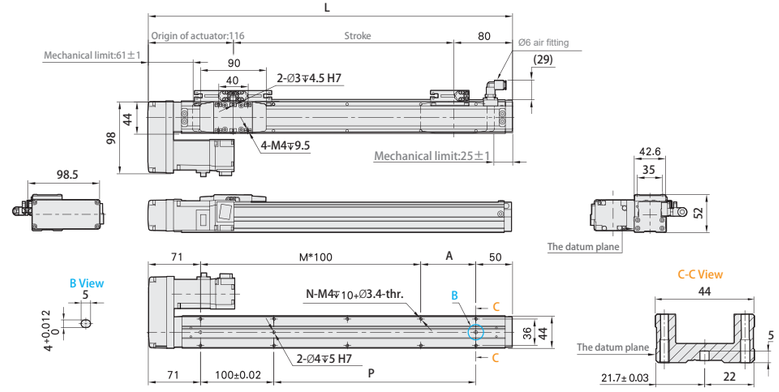


Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	264	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.23	1.41	1.59	1.77	1.95	2.13	2.31	2.49	2.67	2.85	3.03	3.21	3.39	3.57	3.75	3.93

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BL Motor Left Side

Unit:mm

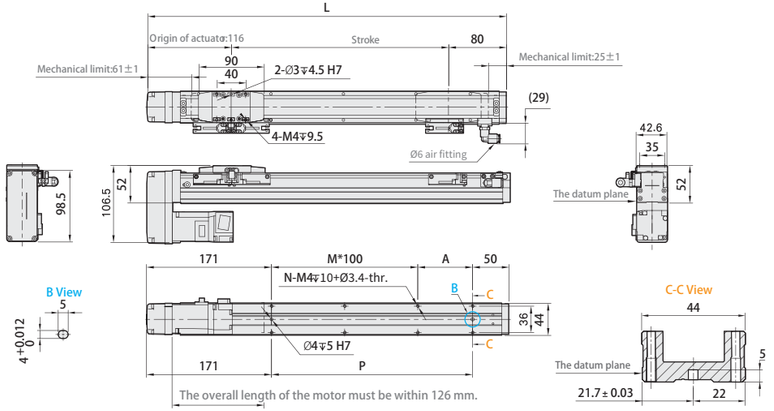


Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.34	1.52	1.70	1.88	2.06	2.24	2.42	2.60	2.78	2.96	3.14	3.32	3.50	3.68	3.86	4.04

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

BM Motor Bottom Side

Unit:mm



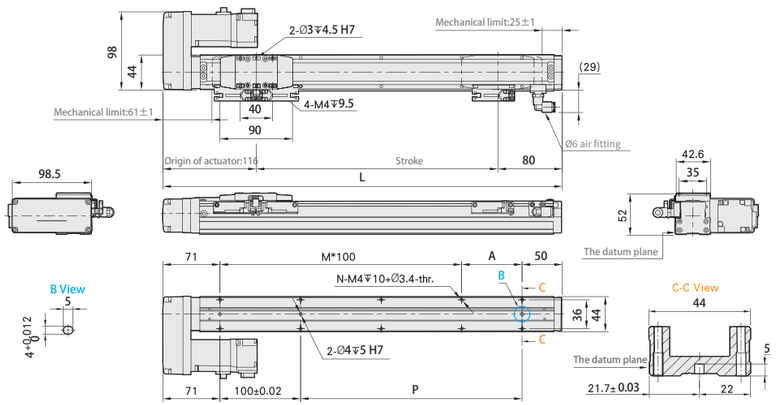
有效行程 Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.34	1.52	1.70	1.88	2.06	2.24	2.42	2.60	2.78	2.96	3.14	3.32	3.50	3.68	3.86	4.04

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BR Motor Right Side

Unit:mm



Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	246	296	346	396	446	496	546	596	646	696	746	796	846	896	946	996
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.34	1.52	1.70	1.88	2.06	2.24	2.42	2.60	2.78	2.96	3.14	3.32	3.50	3.68	3.86	4.04

When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

LGCH5 single-axis/1-axis

Track embedding Screw drive

Maximum Stroke	800mm	Maximum Speed	1000mm/s	Motor output	100W	Ball Screw	Φ12mm

Model naming method

LGCH5 - L5 - 100 - BC - M10B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm

Stroke

50-800mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	100W	
Y	yaskawa	20	-	
T	delta	40	-	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

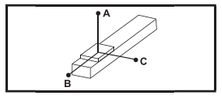
Product parameter

Position repetition accuracy (mm)		±0.01		
Ball Screw Lead (mm)		5	10	20
Max. speed		250	500	1000
Max. oad(KG)	Max. horizontal load(KG)	30	15	10
	Max. vertical load(KG)	10	5	2.5
Stationary thrust (N)		341	170	85
Standard stroke (mm)		50-800mm/50mm Pitch		
AC servo motor capacity(W)		100		
Ball Screw (mm)		C7Φ12		
Coupling (mm)		7×8		
Origin inductor	Plug-in	T74N2(NPN)		

Acceleration and deacceleration value is set 0.2 second.

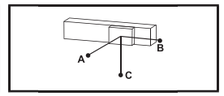
When the stroke is over 600mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances. Please refer to the instructions on page P43 for details

Allowable Overhang



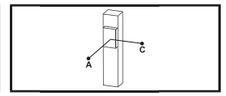
(Unit : mm)

Horizontal Installation		A	B	C
2 Lead	10kg	900	100	135
	20kg	700	45	60
	30kg	550	25	35
5 Lead	10kg	650	75	100
	20kg	440	32	45
	30kg	270	19	25
10 Lead	5kg	600	145	185
	10kg	370	70	85
	15kg	250	42	52
20 Lead	5kg	320	120	130
	8kg	220	70	80
	10kg	175	55	60



(Unit : mm)

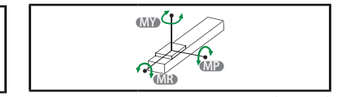
Wall Installation		A	B	C
2 Lead	10kg	135	100	900
	20kg	60	45	700
	30kg	37	27	550
5 Lead	10kg	100	75	650
	20kg	45	32	420
	30kg	25	19	260
10 Lead	5kg	180	145	600
	10kg	85	68	370
	15kg	52	42	250
20 Lead	5kg	130	120	320
	8kg	75	70	220
	10kg	60	55	170



(Unit : mm)

Vertical Installation		A	C
2 Lead	6kg	180	180
	8kg	135	135
	10kg	110	110
5 Lead	6kg	145	145
	8kg	110	110
	10kg	90	90
10 Lead	1kg	800	800
	3kg	260	260
	5kg	155	155
20 Lead	1kg	600	600
	2kg	300	300
	2.5kg	250	250

Static Loading Moment



(Unit : mm)

MY	103
MP	103
MR	144

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

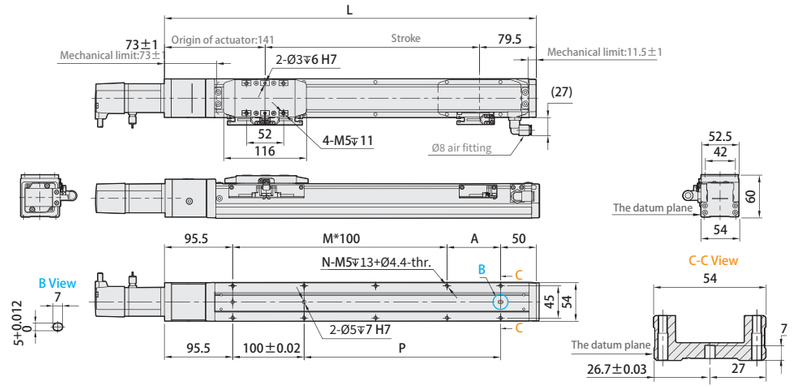
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
		With Brake (Vertical Type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
		With Brake (Vertical Type)	100	220	MSMD012G1V	MADHT1505
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B
		With Brake (Vertical Type)	100	220	ECMA-C20401FS	ASD-B20121-B

BC Motor Exposed

Unit:mm

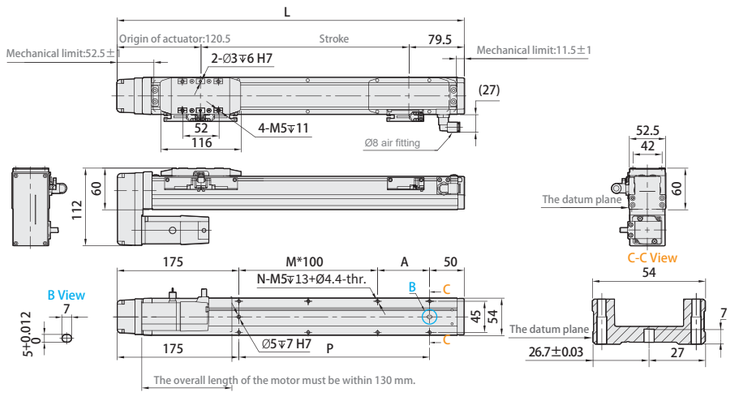


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	270.5	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.95	2.09	2.22	2.41	2.69	2.80	2.82	3.05	3.16	3.25	3.45	3.58	3.74	3.88	4.01	4.39

BM Motor Bottom Side

Unit:mm



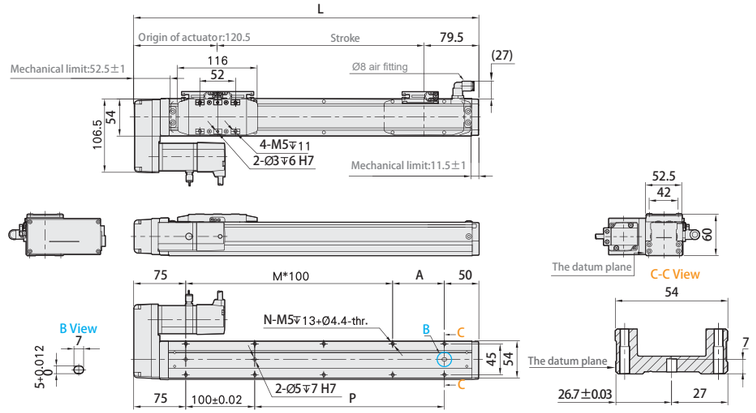
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.98	2.01	2.33	2.44	2.72	2.83	2.88	3.08	3.19	3.28	3.48	3.61	3.77	3.90	4.04	4.42

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

单位 Unit:mm

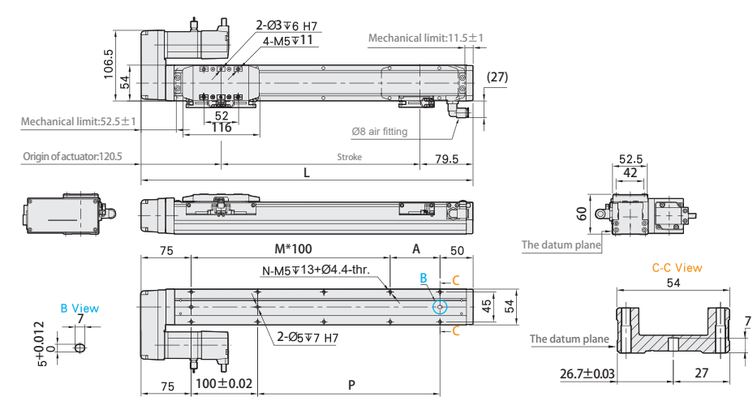


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.98	2.01	2.33	2.44	2.72	2.83	2.88	3.08	3.19	3.28	3.48	3.61	3.77	3.90	4.04	4.42

BR Motor Right Side

单位 Unit:mm



When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50 *	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.98	2.01	2.33	2.44	2.72	2.83	2.88	3.08	3.19	3.28	3.48	3.61	3.77	3.90	4.04	4.42

LGCH8 single-axis/1-axis

Track embedding Screw drive

Maximum Stroke	Maximum Speed	Motor output	Ball Screw
1100mm	1000mm/s	400W	Φ16mm

Model naming method

LGCH8 - L10 - 100 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm

Stroke

50-1100mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	-	
Y	yaskawa	20	-	
T	delta	40	400W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

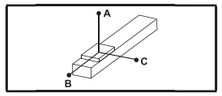
Product parameter

Position repetition accuracy (mm)		±0.01		
Ball Screw Lead (mm)		50	10	20
Max. speed(mm/s)		250	500	1000
Max. oad(KG)	Max. Horizontal load(KG)	50	30	18
	Max. Vertical load(KG)	15	8	3
Stationary thrust (N)		683	341	174
Standard stroke (mm)		50-1100mm/50mm Pitch		
AC servo motor capacity(W)		400		
Ball Screw (mm)		C7Φ16		
Coupling (mm)		10×14		
Origin inductor	Plug-in	T74N2(NPN)		

Acceleration and deacceleration value is set 0.2 second.

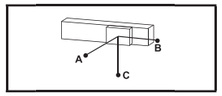
When the stroke is over 750mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances. Please refer to the instructions on page P43 for details

Allowable Overhang



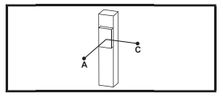
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	20kg	1560	153	237
	35kg	890	81	126
	50kg	550	53	82
10 Lead	10kg	1730	286	412
	20kg	839	136	196
	30kg	541	86	124
20 Lead	6kg	1213	403	493
	9kg	800	264	323
	18kg	592	194	238



(Unit : mm)

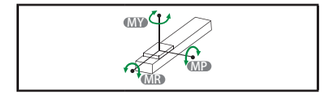
Wall Installation		A	B	C
5 Lead	20kg	214	153	1435
	35kg	113	81	845
	50kg	74	53	506
10 Lead	10kg	370	286	1400
	20kg	176	136	800
	30kg	112	86	495
20 Lead	6kg	444	403	760
	9kg	292	264	277
	18kg	214	194	544



(Unit : mm)

Vertical Installation		A	C
5 Lead	10kg	331	331
	15kg	220	220
	-	-	-
10 Lead	5kg	589	589
	8kg	368	368
	-	-	-
20 Lead	3kg	935	935
	-	-	-
	-	-	-

Static Loading Moment



(Unit : mm)

MY	318
MP	318
MR	626

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

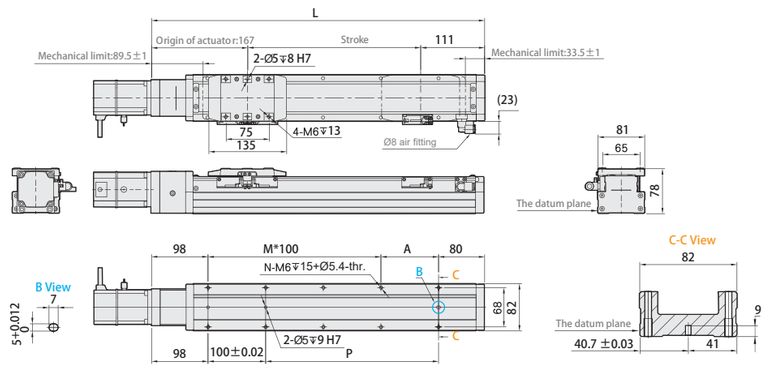
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MHMD042G1V	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

BC Motor Exposed

Unit:mm

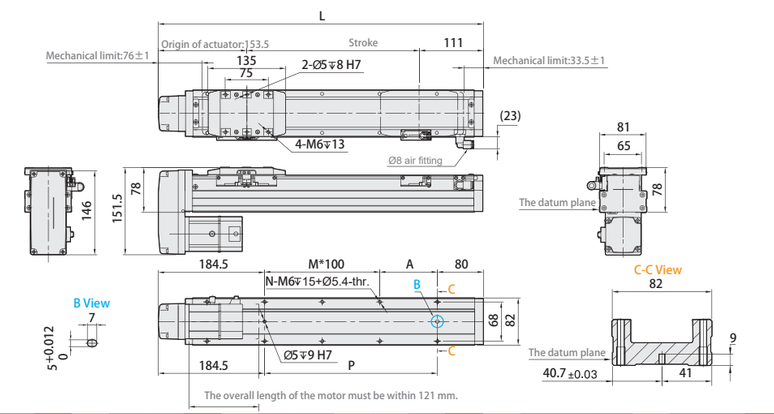


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328	1378
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	4.21	4.59	5.00	5.30	5.65	5.98	6.30	6.65	6.94	7.27	7.71	8.01	8.42	8.71	8.95	9.26	9.67	9.92	10.31	10.58	11.00	11.42

BM Motor Bottom Side

Unit:mm



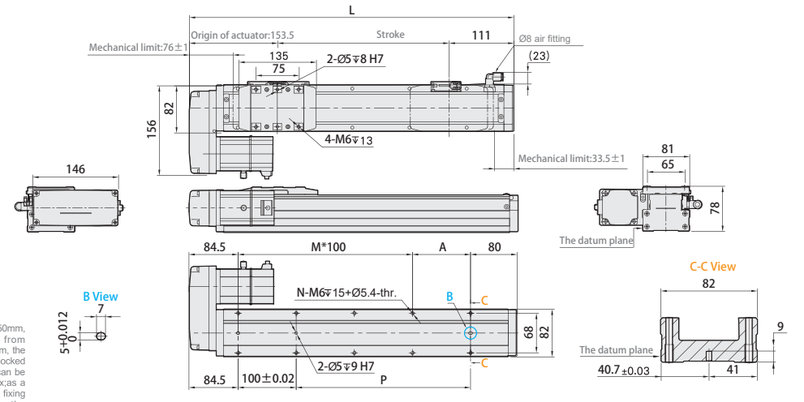
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	4.25	4.63	5.04	5.39	5.69	6.02	6.34	6.69	6.98	7.31	7.75	8.05	8.46	8.71	8.99	9.30	9.71	9.96	10.38	10.62	11.04	11.46

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

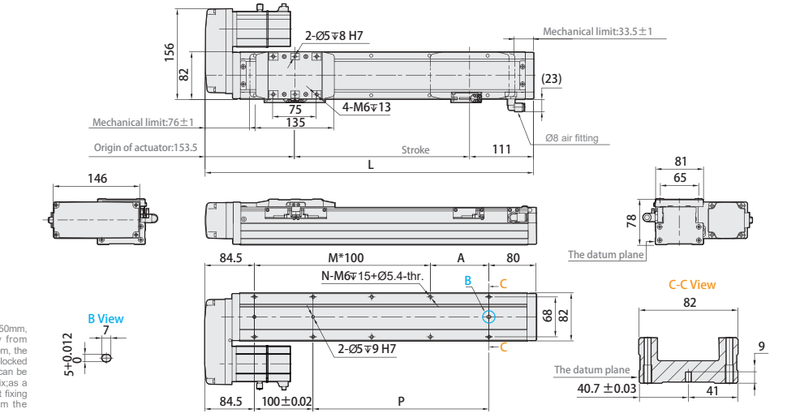


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	4.25	4.63	5.04	5.39	5.69	6.02	6.34	6.69	6.98	7.31	7.75	8.05	8.46	8.75	8.99	9.30	9.71	9.96	10.38	10.62	11.04	11.46

BR Motor Right Side

Unit:mm

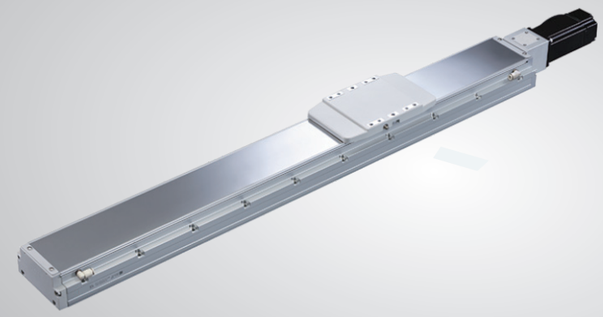


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
L	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5	1364.5
A	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
P	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
KG	4.25	4.63	5.04	5.39	5.69	6.02	6.34	6.69	6.98	7.31	7.75	8.05	8.46	8.75	8.99	9.30	9.71	9.96	10.38	10.62	11.04	11.46

LGCH12 single-axis/1-axis

Track embedding Screw drive



Maximum Stroke	Maximum Speed	Motor output	Ball Screw
1250mm	1600mm/s	400W	Φ16mm

Model naming method

LGCH12 - L5 - 100 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

50-1250mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	05	-	B
P	Panasonic	10	-	
Y	yaskawa	20	-	
T	delta	40	400W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

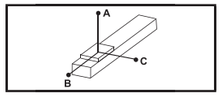
Product parameter

Position repetition accuracy（mm）		±0.005			
Ball Screw Lead（mm）		5	10	20	32
Max. speed(mm/s)		250	500	1000	1600
Max. oad(KG)	Max. horizontal load(KG)	110	88	40	30
	Max. vertical load(KG)	33	22	10	8
Stationary thrust (N)		1388	694	347	218
Standard stroke（mm）		50-1250mm/50mm Pitch			
AC servo motor capacity(W)		400			
Ball Screw（mm）		C7Φ16			
Coupling（mm）		10×14			
Origin inductor	Plug-in	T74N2(NPN)			

Acceleration and deacceleration value is set 0.2 second.

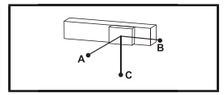
When the stroke is over 800mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances. Please refer to the instructions on page P43 for details

Allowable Overhang



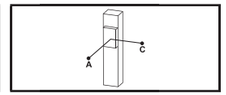
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	60kg	2850	250	340
	80kg	2100	180	250
	110kg	1500	120	170
10 Lead	30kg	2850	490	600
	50kg	1700	280	350
	88kg	950	140	190
20 Lead	10kg	3400	1250	1400
	22kg	1650	550	620
	40kg	900	290	330
32 Lead	15kg	1100	570	550
	25kg	620	330	320
	30kg	520	270	260



(Unit : mm)

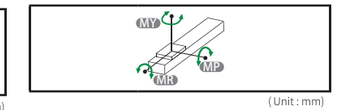
Wall Installation		A	B	C
5 Lead	55kg	280	280	3300
	75kg	200	195	2400
	110kg	130	125	1550
10 Lead	35kg	400	410	2500
	55kg	245	250	1550
	88kg	150	150	950
20 Lead	12kg	900	1070	3000
	20kg	550	630	1800
	40kg	260	300	900
32 Lead	15kg	440	570	1050
	30kg	210	270	520
	-	-	-	-



(Unit : mm)

Vertical Installation		A	C
5 Lead	15kg	1200	1200
	22kg	820	820
	33kg	550	550
10 Lead	10kg	1600	1600
	14kg	1150	1150
	22kg	730	730
20 Lead	7kg	1800	1800
	10kg	1250	1250
	-	-	-
32 Lead	5kg	1600	1600
	8kg	1000	1000
	-	-	-

Static Loading Moment



(Unit : mm)

MY	606
MP	606
MR	1168

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

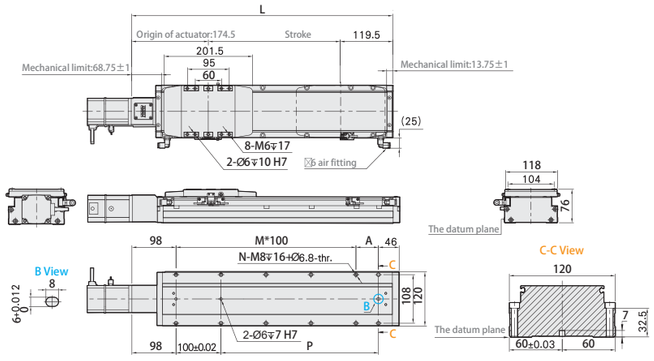
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MSMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MSMD042G1V	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

BC Motor Exposed

Unit:mm

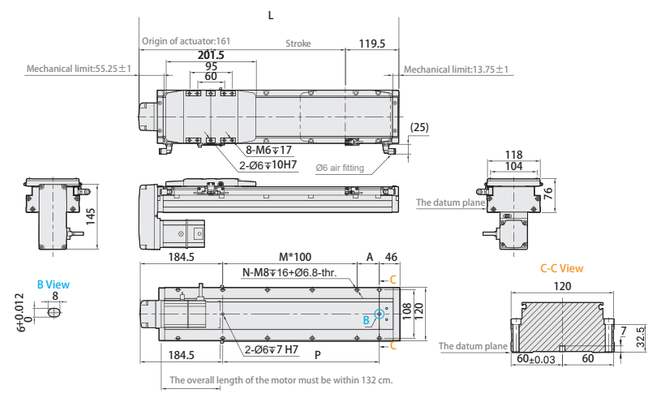


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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

BM Motor Bottom Side

Unit:mm



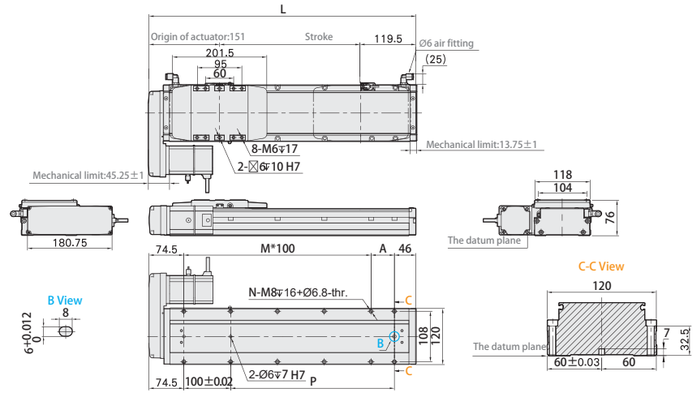
When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	330.5	380.5	430.5	480.5	530.5	580.5	630.5	680.5	730.5	780.5	830.5	880.5	930.5	980.5	1030.5	1080.5	1130.5	1180.5	1230.5	1280.5	1330.5	1380.5	1430.5	1480.5	1530.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12
N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
KG	5.21	5.56	5.91	6.26	6.61	6.96	7.31	7.66	8.01	8.36	8.71	9.06	9.41	9.76	10.11	10.46	10.81	11.16	11.51	11.86	12.21	12.56	12.91	13.26	13.61

When motor with brake assembled on lower side, or the total length over than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information & requirement.

BL Motor Left Side

Unit:mm

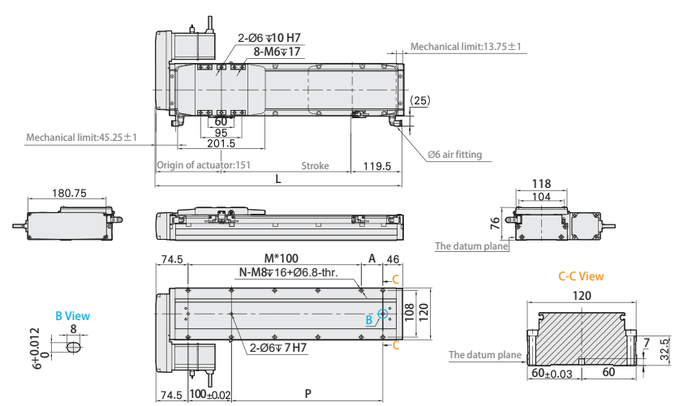


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
KG	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.56	12.91	13.26	13.61

BR Motor Right Side

Unit:mm



When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

Stroke	50※	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250
L	320.5	370.5	420.5	470.5	520.5	570.5	620.5	670.5	720.5	770.5	820.5	870.5	920.5	970.5	1020.5	1070.5	1120.5	1170.5	1220.5	1270.5	1320.5	1370.5	1420.5	1470.5	1520.5
A	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
M	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11	11	12	12	13	13
N	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26	28	28	30	30
P	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
KG	5.25	5.6	5.95	6.3	6.65	7	7.35	7.7	8.05	8.4	8.75	9.1	9.45	9.8	10.15	10.85	11.2	11.55	11.9	12.25	12.6	12.56	12.91	13.26	13.61

MEMO

Sliding table series

LETH Series

Standard/Ball Screw

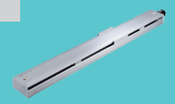
CONTENTS

Standard/Ball Screw Type

Long Stroke Ball Screw Actuator

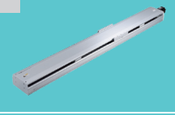
MEDIUM
LETH13

Width 135mm
Max. stroke 1050mm
Max. payload 70kg

LARGE
LETH17M

Width 170mm
Max. stroke 2200mm
Max. payload 120kg

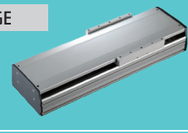
MEDIUM
LETH14

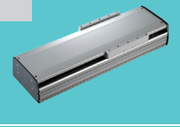
Width 135mm
Max. stroke 1050mm
Max. payload 110kg

LARGE
LETH22M

Width 220mm
Max. stroke 2400mm
Max. payload 130kg

LARGE
LETH17

Width 170mm
Max. stroke 1250mm
Max. payload 120kg

LARGE
LETH27

Width 270mm
Max. stroke 1700mm
Max. payload 220kg

LARGE
LETH22

Width 220mm
Max. stroke 1500mm
Max. payload 150kg

Spec Index of Electric Actuator

LETH Ball Screw Actuator-Slider Type

Environment	Driven Mode	Specification	Motor Output (w)	Width(mm)	Repeatability(mm)	Ball Screw Spec		Maximum Payload(kg)		Maximum Speed *1 (mm/s)
						Outer Diameter(mm)	Lead(mm)	Horizontal	Vertical	
Standard	Ball screw	LETH13	200W	135	±0.01	16	5	70	17	250
							10	47	12	500
							20	24	6	1000
							32	13	-	1600
			400W	135	±0.01	16	5	70	17	250
							10	47	12	500
							20	24	6	1000
							32	13	-	1600
		LETH14	200W	135	±0.01	16	5	95	27	250
							10	75	18	500
							20	35	7	1000
							32	15	-	1600
			400W	135	±0.01	16	5	110	33	250
							10	88	22	500
							20	40	10	1000
							32	30	8	1600
		LETH17	400W	170	±0.01	20	5	120	40	250
							10	110	30	500
							20	75	14	1000
							40	22	7	2000
			750W	170	±0.01	20	5	120	50	250
							10	120	40	500
							20	83	25	1000
							40	43	12	2000
		LETH22	750W	220	±0.01	25	5	150	55	250
						25	10	150	45	500
						25	25	105	20	1250
						20	40	43	12	2000

Stroke(mm) & Maximum Speed(mm/s) *2	Speed
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
250	225 200 175 150 125 100
500	450 400 350 300 250 200
1000	900 800 700 600 500 400
1600	1440 1280 1120 960 800 640
250	225 200 175 150 125 100
500	450 400 350 300 250 200
1000	900 800 700 600 500 400
1600	1440 1280 1120 960 800 640
250	225 200 175 150 125 100
500	450 400 350 300 250 200
1000	900 800 700 600 500 400
1600	1440 1280 1120 960 800 640
250	225 200 175 150 125 100
500	450 400 350 300 250 200
1000	900 800 700 600 500 400
1600	1440 1280 1120 960 800 640
250	225 200 175 150
500	450 400 350 300
1000	900 800 700 600
2000	1800 1600 1400 1200
250	225 200 175 150
500	450 400 350 300
1000	900 800 700 600
2000	1800 1600 1400 1200
250	225 200 175 150 125 100
500	450 400 350 300 250 200
1000	1125 1000 875 750 625 500
2000	1800 1600 1400 1200 1000 800 600

The highest speed is based on the maximum servo motor´s rpm (3000).

Written here is the standard storke´s maximum safe speed. If over this speed, it may casue serious virbration.

Long Stroke Ball Screw Actuator

Environment	Driven Mode	Specification	Motor Output (w)	Width(mm)	Repeatability(mm)	Ball Screw Spec		Maximum Payload(kg)		Maximum Speed *1 (mm/s)
						Outer Diameter(mm)	Lead(mm)	Horizontal	Vertical	
Standard	Ball screw	LETH17M	400W	170	±0.01	16	5	110	33	200
							10	90	22	400
							20	40	10	800
							32	30	8	1280
			750W	170	±0.01	16	5	120	40	200
							10	95	25	400
							20	50	15	800
							32	35	12	1280
		LETH22M	750W	220	±0.01	20	5	130	50	200
							10	130	40	400
							20	85	25	800
							40	43	12	1600

Stroke(mm) & Maximum Speed(mm/s) *2	Speed	Page
Stroke	800 850 900 950 1000 1100 1200 1300 1400 1500 1600 1650 1700 1750 1800 1850 1900 1950 2000 2050 2100 2150 2200 2250 2300 2350 2400	
	200 175 150 125	
	400 350 300 250	
	800 700 600 500	
	1280 1120 960 800	
	200 175 150 125	
	400 350 300 250	
	800 700 600 500	
	1280 1120 960 800	
	200 175 150	
	400 350 300	
	800 700 600	
	1680 1120 1200	

The highest speed is based on the maximum servo motor´s rpm (2400).

Written here is the standard storke´s maximum safe speed. If over this speed, it may casue serious virbration.

LETH13 single-axis/1-axis

Screw drive

Maximum Stroke	Maximum Speed	Motor output	Ball Screw	Straight rail
1050mm	1600mm/s	400W	Φ16mm	15×12.5-2支

Model naming method

LETH13 - L5 - 50 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

50-1050mm

Motor Position

M	Motor Hidden In
BC	Motor Exposed
BL	Motor Bottom Side
BR	Motor Right Side
BM	Motor Bottom Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	400W	
T	delta	75	-	

Home Sensor

	In Side
A	Motor Side
B	Opposite Motor Side
	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	In Side
1	1 Pc
2	2 Pc
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Characteristic pattern

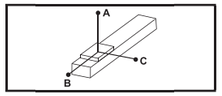
Product parameter

Position repetition accuracy (mm)		±0.01			
Ball Screw Lead (mm)		5	10	20	32
Max. speed(mm/s)		250	500	1000	1600
Max. oad(KG)	Max. horizontal load(KG)	70	47	24	13
	Max. vertical load(KG)	17	12	6	-
Stationary thrust (N)		1388	694	433	347
Standard stroke (mm)		50-1050mm/50mm Pitch			
AC servo motor capacity(W)		400			
Ball Screw (mm)		C7Φ16			
High Rigidity Linear Guide (mm)		W15×H12.5			
Coupling (mm)		10x14			
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX674(NPN)			

Acceleration and deacceleration value is set 0.2 second.

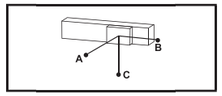
When the stroke is over 750mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances.

Allowable Overhang



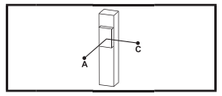
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	40kg	795	63	225
	55kg	558	43	155
	70kg	422	32	115
10 Lead	25kg	588	95	276
	35kg	410	65	190
	47kg	295	46	135
20 Lead	6kg	1068	355	710
	15kg	416	136	275
	24kg	252	81	166
32 Lead	7kg	385	205	298
	13kg	204	106	156
	-	-	-	-



(Unit : mm)

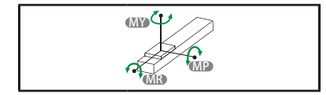
Wall Installation		A	B	C
5 Lead	30kg	310	88	1066
	50kg	172	49	620
	70kg	115	32	422
10 Lead	20kg	351	122	743
	30kg	225	78	484
	47kg	135	46	294
20 Lead	5kg	852	428	1227
	12kg	345	173	522
	24kg	166	81	253
32 Lead	6kg	350	240	453
	13kg	155	106	204
	-	-	-	-



(Unit : mm)

Vertical Installation		A	C
5 Lead	5kg	580	580
	11kg	264	264
	17kg	170	170
10 Lead	4kg	644	644
	8kg	322	322
	12kg	215	215
20 Lead	3kg	667	667
	6kg	335	335
	-	-	-

Static Loading Moment



(Unit : mm)

MY	174
MP	175
MR	153

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

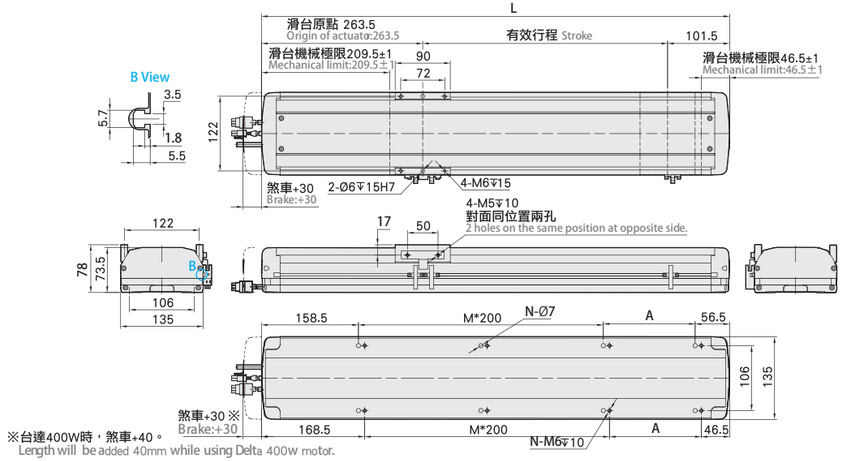
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MHMD042G1V	MBDHT2510
Delta	I	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

M Motor Hidden In

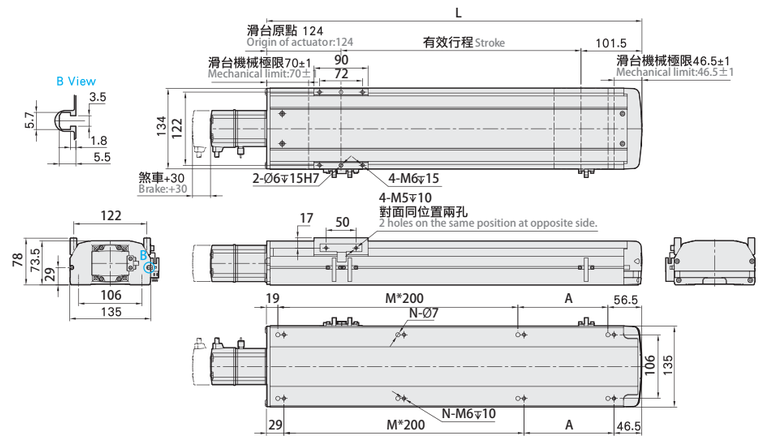
单位 Unit:mm



有效行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215	1265	1315	1365	1415
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	8.3	8.86	9.42	9.98	10.54	11.1	11.66	12.22	12.78	13.34	13.9	14.46	15.02	15.58	16.14	16.7	17.26	17.82	18.38	18.94	19.5

BC Motor Exposed

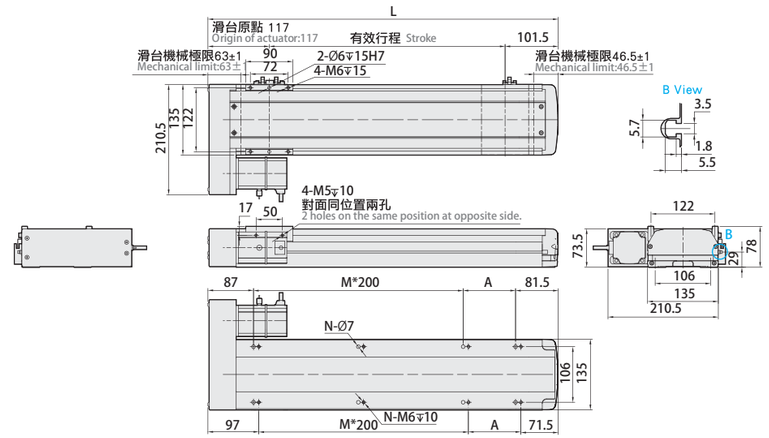
单位 Unit:mm



有效行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	275.5	325.5	375.5	425.5	475.5	525.5	575.5	625.5	675.5	725.5	775.5	825.5	875.5	925.5	975.5	1025.5	1075.5	1125.5	1175.5	1225.5	1275.5
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	7.4	7.96	8.52	9.08	9.64	10.2	10.76	11.32	11.88	12.44	13	13.56	14.12	14.68	15.24	15.8	16.36	16.92	17.48	18.04	18.6

BL Motor Left Side

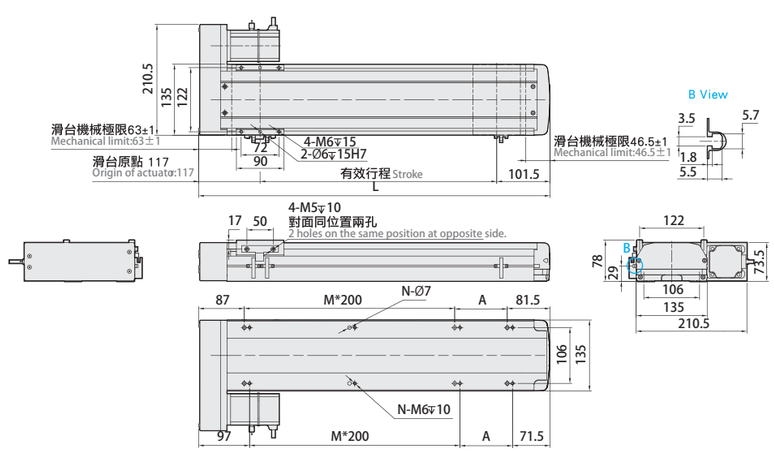
单位 Unit:mm



有效行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	268.5	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	4	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
KG	7.94	8.5	9.06	9.62	10.18	10.74	11.3	11.86	12.42	12.98	13.54	14.1	14.66	15.22	15.78	16.34	16.9	17.46	18.02	18.58	19.14

BR Motor Right Side

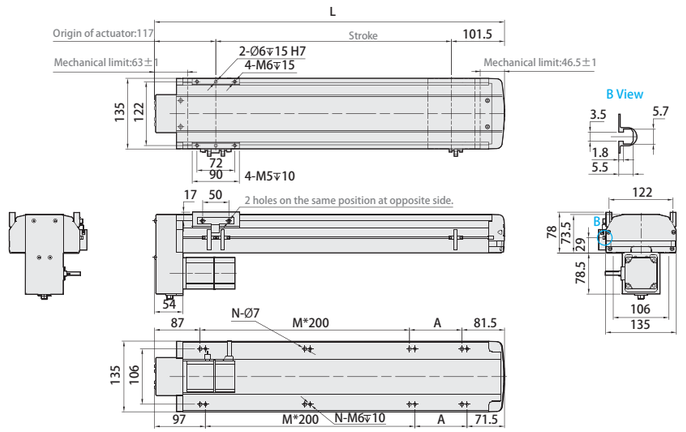
单位 Unit:mm



有效行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	268.5	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	4	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
KG	7.94	8.5	9.06	9.62	10.18	10.74	11.3	11.86	12.42	12.98	13.54	14.1	14.66	15.22	15.78	16.34	16.9	17.46	18.02	18.58	19.14

BM Motor Bottom 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
L	268.5	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5
A	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
M	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5
N	4	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14
KG	7.94	8.5	9.06	9.62	10.18	10.74	11.3	11.86	12.42	12.98	13.54	14.1	14.66	15.22	15.78	16.34	16.9	17.46	18.02	18.58	19.14

MEMO

LETH14 single-axis/1-axis

Screw drive

Maximum Stroke 1050mm | Maximum Speed 1600mm/s | Motor output 400W | Ball Screw Φ16mm | Straight rail 15×12.5-2支

Model naming method

LETH14 - L5 - 50 - M - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

50-1050mm

Motor Position

M	Motor Hidden In
BC	Motor Exposed
BL	Motor left Side
BR	Motor Right Side
BM	Motor Bottom Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	400W	
T	delta	75	-	

Home Sensor

	In Side
A	Motor Side
B	Opposite Motor Side
	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	In Side
1	1 Pc
2	2 Pc
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

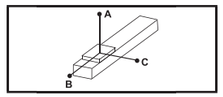
Product parameter

Position repetition accuracy(mm)		±0.01			
Ball Screw Lead(mm)		5	10	20	32
Max. speed(mm/s)		250	500	1000	1600
Max. oad(KG)	Max. Horizontal load(KG)	110	88	40	30
	Max. Vertical load(KG)	33	22	10	8
Stationary thrust (N)		1388	694	347	218
Standard stroke (mm)		50-1050mm/50mm Pitch			
AC servo motor capacity(W)		400			
Ball Screw (mm)		C7Φ16			
High Rigidity Linear Guide (mm)		W15×H12.5			
Coupling (mm)		10×14			
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX742(NPN)			

Acceleration and deacceleration value is set 0.2 second.

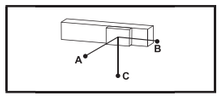
When the stroke is over 750mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances. Please refer to the instructions on page P43 for details

Allowable Overhang



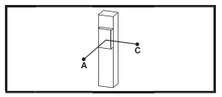
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	60kg	2512	242	232
	80kg	1811	172	164
	110kg	1284	114	108
10 Lead	30kg	2727	470	430
	50kg	1577	266	242
	88kg	854	134	122
20 Lead	10kg	2304	1222	1028
	22kg	1443	540	451
	40kg	860	277	233
32 Lead	15kg	1033	545	405
	25kg	604	311	233
	30kg	495	251	188



(Unit : mm)

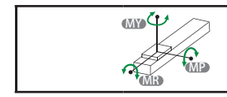
Wall Installation		A	B	C
5 Lead	55kg	257	269	2883
	75kg	178	186	2000
	110kg	108	114	1284
10 Lead	35kg	363	395	2368
	55kg	218	238	1445
	88kg	123	134	854
20 Lead	12kg	854	1019	2552
	20kg	500	596	1588
	40kg	233	277	860
32 Lead	15kg	405	545	1033
	30kg	188	251	495
	-	-	-	-



(Unit : mm)

Vertical Installation		A	C
5 Lead	15kg	1118	1118
	22kg	770	770
	33kg	513	513
10 Lead	10kg	1500	1500
	14kg	1072	1072
	22kg	682	682
20 Lead	7kg	1700	1700
	10kg	1188	1188
	-	-	-
32 Lead	5kg	1503	1503
	8kg	944	944
	-	-	-

Static Loading Moment



(Unit : mm)

MY	551
MP	552
MR	455

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

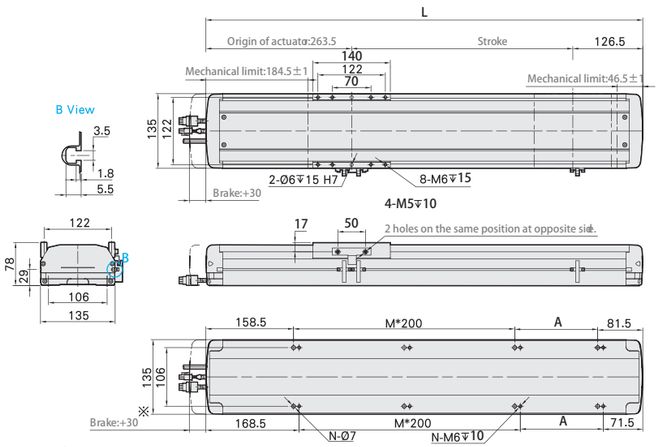
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MHMD042G1V	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

M Motor Hidden In

Unit:mm

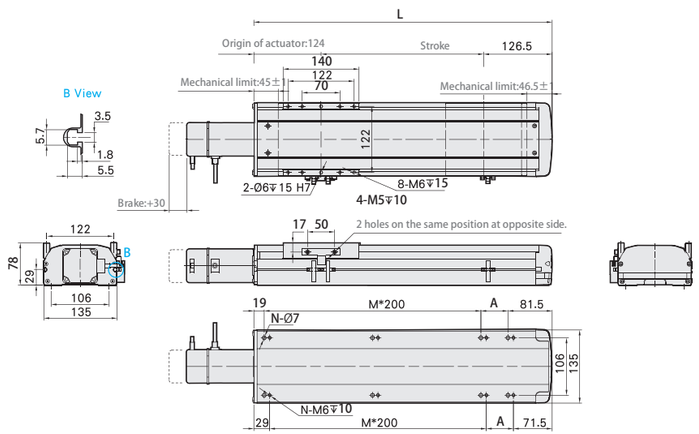


※ Length will be added 40mm whileusing Delta 400w motor.

Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	440	490	540	590	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	9.5	10.06	10.62	11.18	11.74	12.3	12.86	13.42	13.98	14.54	15.1	15.66	16.22	16.78	17.34	17.9	18.46	19.02	19.58	20.14	20.7

BC Motor Exposed

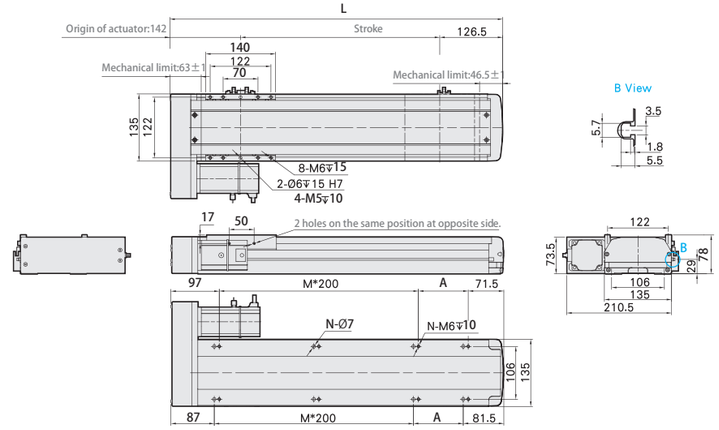
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	300.5	350.5	400.5	450.5	500.5	550.5	600.5	650.5	700.5	750.5	800.5	850.5	900.5	950.5	1000.5	1050.5	1100.5	1150.5	1200.5	1250.5	1300.5
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	8.75	9.3	9.85	10.4	10.95	11.5	12.05	12.6	13.15	13.7	14.25	14.8	15.35	15.9	16.45	17	17.55	18.1	18.65	19.2	19.75

BL Motor Left Side

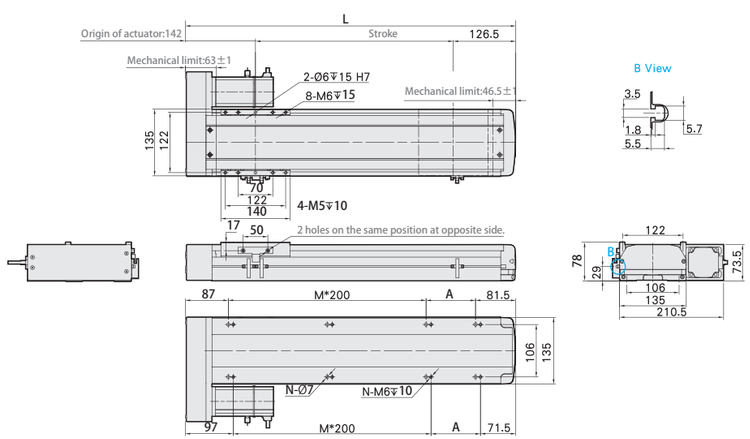
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	9.4	9.94	10.48	11.02	11.56	12.1	12.64	13.18	13.72	14.26	14.8	15.34	15.88	16.42	16.96	17.5	18.04	18.58	19.12	19.66	20.2

BR Motor Right Side

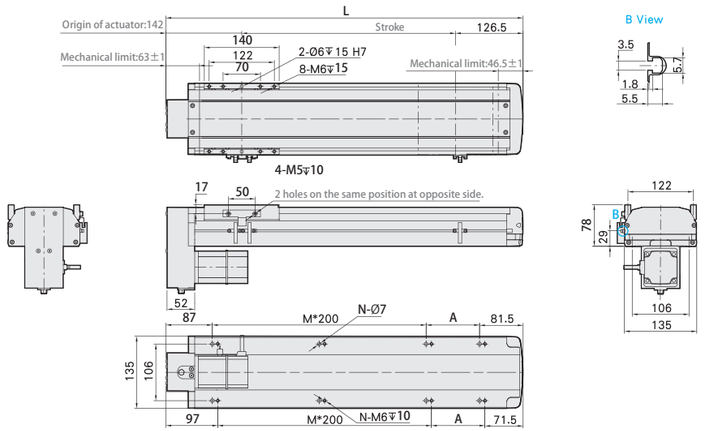
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	9.4	9.94	10.48	11.02	11.56	12.1	12.64	13.18	13.72	14.26	14.8	15.34	15.88	16.42	16.96	17.5	18.04	18.58	19.12	19.66	20.2

BM Motor Bottom 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
L	318.5	368.5	418.5	468.5	518.5	568.5	618.5	668.5	718.5	768.5	818.5	868.5	918.5	968.5	1018.5	1068.5	1118.5	1168.5	1218.5	1268.5	1318.5
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150
M	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5
N	4	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14
KG	9.4	9.94	10.48	11.02	11.56	12.1	12.64	13.18	13.72	14.26	14.8	15.34	15.88	16.42	16.96	17.5	18.04	18.58	19.12	19.66	20.2

MEMO

LETH17 single-axis/1-axis

Screw drive

Maximum Stroke 1250mm | Maximum Speed 2000mm/s | Motor output 750W | Ball Screw Φ20mm | Straight rail 20×15.2-2支

Model naming method

LETH17 - L5 - 50 - BC - M75B - C4 - 0001

Model

Characteristic pattern

Ball Screw Lead

5	5mm
10	10mm
20	20mm
40	40mm

Stroke

50-1250mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	-	
T	delta	75	750W	

Home Sensor

In Side	
A	Motor Side
B	Opposite Motor Side
Out Side	
C	Motor Side
D	Opposite Motor Side
No Sensor	
E	No Sensor

Limit Sensor

In Side	
1	1 Pc
2	2 Pc
Out Side	
3	1 Pc
4	2 Pc
No Sensor	
5	No Sensor

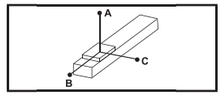
Product parameter

Position repetition accuracy (mm)		±0.01			
Ball Screw Lead (mm)		5	10	20	40
Max. speed(mm/s)		250	500	1000	2000
Max. oad(KG)	Max. horizontal load(KG)	120	120	83	43
	Max. vertical load(KG)	50	40	25	12
Stationary thrust (N)		2563	1281	640	320
Standard stroke (mm)		50-1250mm/50mm Pitch			
AC servo motor capacity(W)		750			
Ball Screw (mm)		C7Φ20			
High Rigidity Linear Guide (mm)		W20×H15			
Coupling (mm)		12×19			
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX674(NPN)			

Acceleration and deacceleration value is set 0.2 second.

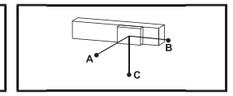
When the stroke is over 850mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances.

Allowable Overhang



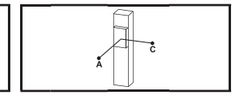
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	70kg	3235	349	408
	90kg	2482	263	306
	120kg	1861	187	218
10 Lead	65kg	1911	338	373
	85kg	1445	248	276
	120kg	1000	164	182
20 Lead	35kg	1666	547	538
	55kg	1030	331	328
	83kg	654	206	204
40 Lead	15kg	1126	740	577
	22kg	755	491	384
	43kg	366	231	183



(Unit : mm)

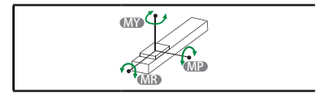
Wall Installation		A	B	C
5 Lead	75kg	377	322	2988
	95kg	288	246	2333
	120kg	218	187	1850
10 Lead	60kg	408	368	2092
	80kg	296	266	1554
	120kg	182	164	1002
20 Lead	30kg	633	644	1961
	50kg	365	369	1143
	83kg	204	206	656
40 Lead	12kg	729	936	1417
	22kg	384	491	755
	43kg	183	231	366



(Unit : mm)

Vertical Installation		A	C
5 Lead	20kg	1368	1368
	30kg	911	911
	50kg	546	546
10 Lead	15kg	1618	1618
	25kg	970	970
	40kg	607	607
20 Lead	10kg	1922	1922
	14kg	1377	1377
	25kg	769	769
40 Lead	7kg	1356	1356
	12kg	790	790
	-	-	-

Static Loading Moment



(Unit : mm)

MY	1032
MP	1034
MR	908

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

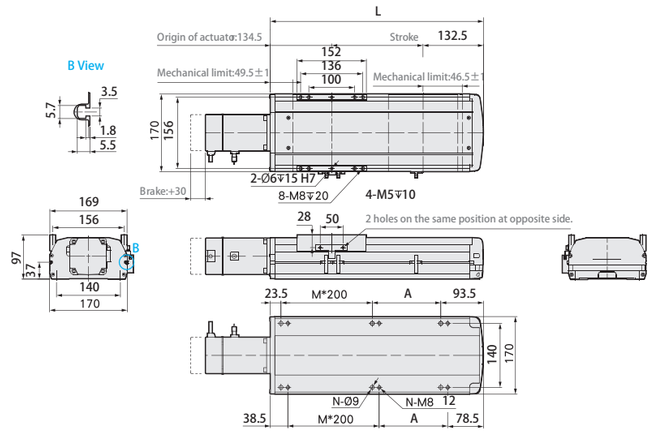
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	750	220	MHMD082G1V	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	750	220	ECMA-C20807FS	ASD-B20721-B

BC Motor Exposed

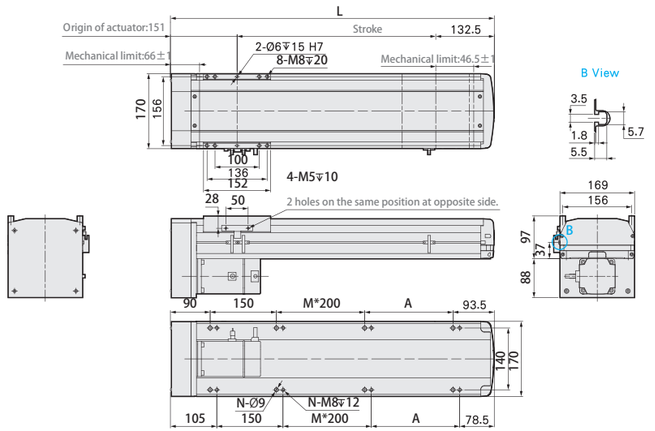
Unit:mm



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
L	317	367	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367	1417	1467	1517
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	9.61	10.02	10.79	11.57	12.34	13.11	13.88	14.65	15.42	16.19	16.96	17.73	18.5	19.28	20.05	20.82	21.59	22.36	23.13	23.9	24.67	25.44	26.21	26.98	27.75

BM Motor Bottom Side

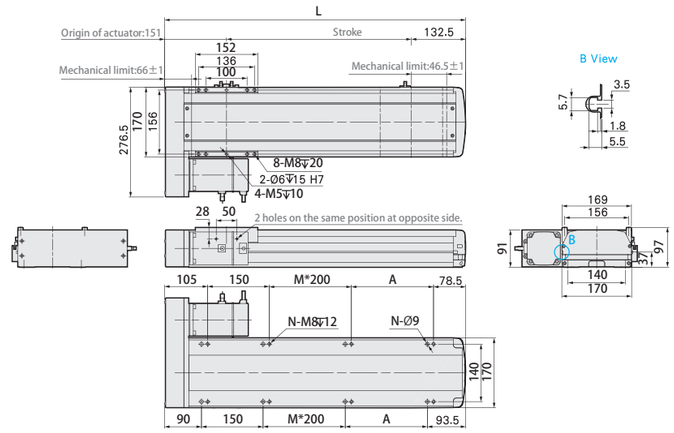
Unit:mm



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
L	333.5	383.5	433.5	483.5	533.5	583.5	633.5	683.5	733.5	783.5	833.5	883.5	933.5	983.5	1033.5	1083.5	1133.5	1183.5	1233.5	1283.5	1333.5	1383.5	1433.5	1483.5	1533.5
A	0	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	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
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	9.53	10.3	11.07	11.84	12.61	13.38	14.15	14.92	15.69	16.47	17.24	18.01	18.78	19.55	20.32	21.09	21.86	22.63	23.4	24.18	24.95	25.72	26.49	27.26	28.03

BL Motor Left Side

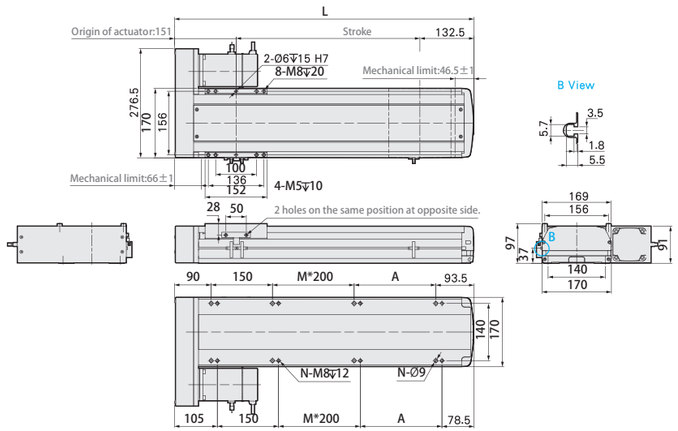
Unit:mm



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
L	333.5	383.5	433.5	483.5	533.5	583.5	633.5	683.5	733.5	783.5	833.5	883.5	933.5	983.5	1033.5	1083.5	1133.5	1183.5	1233.5	1283.5	1333.5	1383.5	1433.5	1483.5	1533.5
A	0	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	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
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	9.53	10.3	11.07	11.84	12.61	13.38	14.15	14.92	15.69	16.47	17.24	18.01	18.78	19.55	20.32	21.09	21.86	22.63	23.4	24.18	24.95	25.72	26.49	27.26	28.03

BR 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
L	333.5	383.5	433.5	483.5	533.5	583.5	633.5	683.5	733.5	783.5	833.5	883.5	933.5	983.5	1033.5	1083.5	1133.5	1183.5	1233.5	1283.5	1333.5	1383.5	1433.5	1483.5	1533.5
A	0	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	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
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	9.53	10.3	11.07	11.84	12.61	13.38	14.15	14.92	15.69	16.47	17.24	18.01	18.78	19.55	20.32	21.09	21.86	22.63	23.4	24.18	24.95	25.72	26.49	27.26	28.03

LETH22 single-axis/1-axis

Screw drive

Maximum Stroke 1500mm | Maximum Speed 2000mm/s | Motor output 750W | Ball Screw Φ25mm | Straight rail 23×18-2支

Model naming method

LETH22 - L10 - 50 - M - M75B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
25	25mm
40	40mm

Stroke

50-1500mm

Motor Position

M	Motor Hidden In
BC	Motor Exposed
BL	Motor Left Side
BR	Motor Right Side
BM	Motor Bottom Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	-	
T	delta	75	750W	

Home Sensor

In Side	
A	Motor Side
B	Opposite Motor Side
Out Side	
C	Motor Side
D	Opposite Motor Side
No Sensor	
E	No Sensor

Limit Sensor

In Side	
1	1 Pc
2	2 Pc
Out Side	
3	1 Pc
4	2 Pc
No Sensor	
5	No Sensor

Characteristic pattern

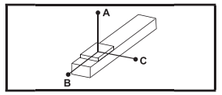
Product parameter

Position repetition accuracy (mm)		±0.01			
Ball Screw Lead (mm)		5	10	25	40
Max. speed(mm/s)		250	500	1250	2000
Max. oad(KG)	Max. horizontal load	150	150	105	43
	Max. vertical load(KG)	55	45	20	12
Stationary thrust (N)		2563	1281	640	320
Standard stroke (mm)		50-1500mm/50mm Pitch			
AC servo motor capacity(W)		750			
Ball Screw (mm)		C7Φ25			C7Φ20
High Rigidity Linear Guide (mm)		W23×H18			
Coupling (mm)		17×19			12×19
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX674(NPN)			

Acceleration and deacceleration value is set 0.2 second.

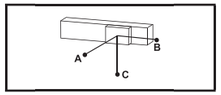
When the stroke is over 900mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances.

Allowable Overhang



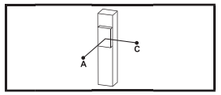
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	100kg	5000	633	557
	125kg	3880	491	431
	150kg	3357	396	347
10 Lead	100kg	3220	563	474
	125kg	2554	434	367
	150kg	2113	349	295
25 Lead	65kg	1522	614	458
	85kg	1136	451	336
	105kg	893	350	262
40 Lead	18kg	2445	1616	1052
	30kg	1436	938	613
	43kg	978	630	412



(Unit : mm)

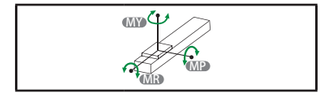
Wall Installation		A	B	C
5 Lead	110kg	500	569	4500
	130kg	412	469	3711
	150kg	347	396	3357
10 Lead	110kg	427	503	2900
	130kg	351	414	2444
	150kg	295	349	2113
25 Lead	70kg	420	564	1404
	90kg	315	420	1066
	105kg	262	350	893
40 Lead	15kg	1272	1955	2948
	24kg	778	1190	1813
	43kg	412	630	978



(Unit : mm)

Vertical Installation		A	C
5 Lead	30kg	2355	2355
	40kg	1768	1768
	55kg	1288	1288
10 Lead	25kg	2505	2505
	35kg	1795	1795
	45kg	1396	1396
25 Lead	15kg	2711	2711
	20kg	2033	2033
	-	-	-
40 Lead	7kg	3511	3511
	12kg	2055	2055
	-	-	-

Static Loading Moment



(Unit : mm)

MY	2052
MP	2052
MR	1810

The torque value in the chart indicate the center of gravity.

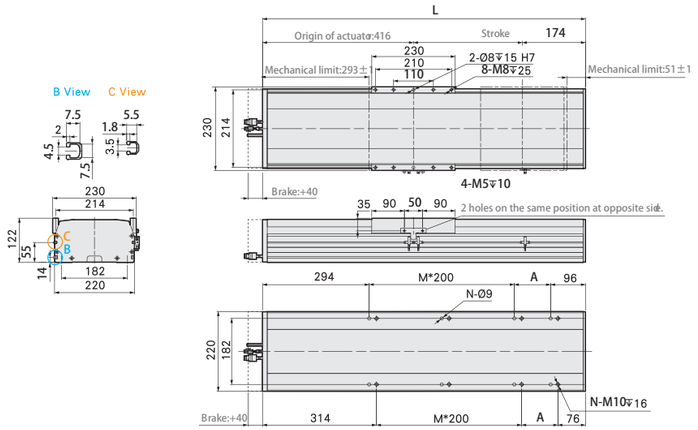
Operation life is 8,000km when the product is using under the specified conditions.

Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	750	220	MHMD082G1V	MCDHT3520
Delta	I	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	750	220	ECMA-C20807FS	ASD-B20721-B

M Motor Hidden In

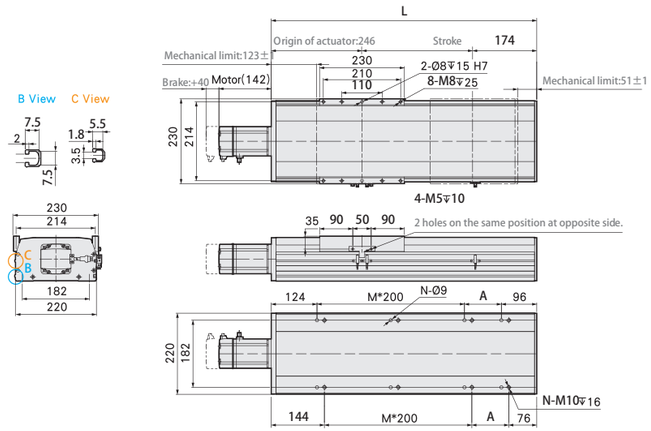
Unit:mm



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
L	640	690	740	790	840	890	940	990	1040	1090	1140	1190	1240	1290	1340	1390	1440	1490	1540	1590	1640	1690	1740	1790	1840	1890	1940	1990	2040	2090
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
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
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
KG	27.85	29.32	30.79	32.26	33.73	35.2	36.67	38.14	39.61	41.08	42.55	44.02	45.49	46.96	48.43	49.9	51.37	52.84	54.31	55.78	57.25	58.72	60.19	61.66	63.13	64.6	66.07	67.54	69.01	70.48

BC Motor Exposed

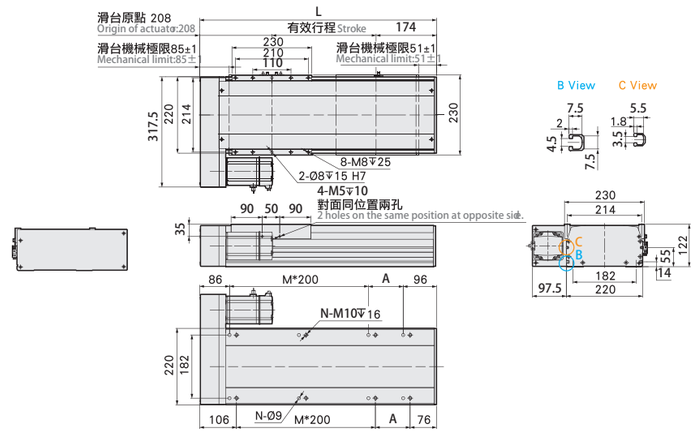
Unit:mm



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
L	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920
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
M	1	1	1	1	2	2	2	3	3	3	3	3	4	4	4	4	5	5	5	5	6	6	6	6	7	7	7	7	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
KG	25.4	26.86	28.32	29.78	31.24	32.7	34.16	35.62	37.08	38.54	40	41.46	42.92	44.38	45.84	47.3	48.76	50.22	51.68	53.14	54.6	56.06	57.52	58.98	60.44	61.9	63.36	64.82	66.28	67.74

BL Motor Left Side

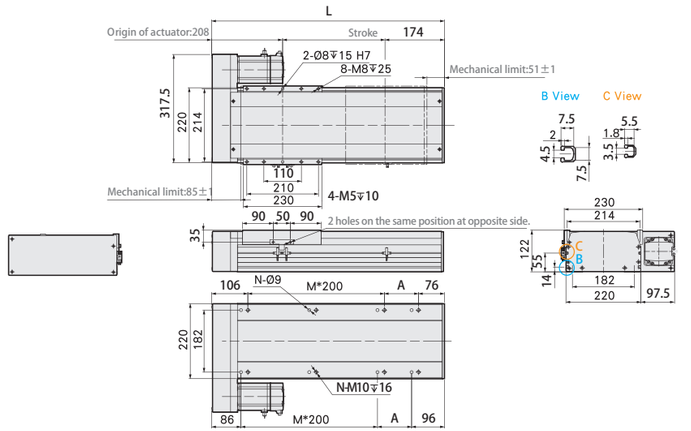
Unit:mm



有效行程 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
L	432	482	532	582	632	682	732	782	832	882	932	982	1032	1082	1132	1182	1232	1282	1332	1382	1432	1482	1532	1582	1632	1682	1732	1782	1832	1882
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
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
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
KG	24.2	25.66	27.12	28.58	30.04	31.5	32.96	34.42	35.88	37.34	38.8	40.26	41.72	43.18	44.64	46.1	47.56	49.02	50.48	51.94	53.4	54.86	56.32	57.78	59.24	60.7	62.16	63.62	65.08	66.54

BR Motor Right Side

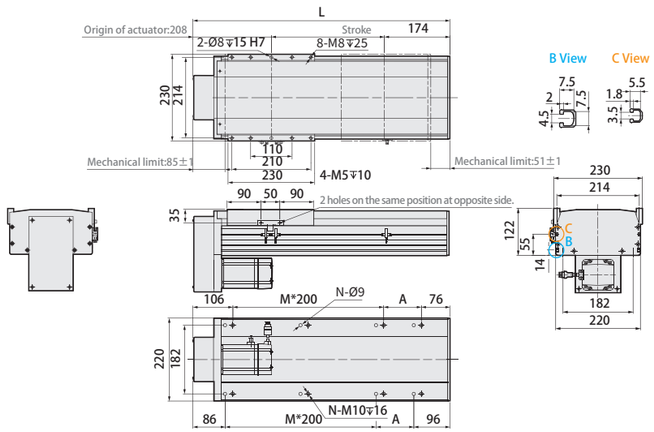
Unit:mm



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
L	432	482	532	582	632	682	732	782	832	882	932	982	1032	1082	1132	1182	1232	1282	1332	1382	1432	1482	1532	1582	1632	1682	1732	1782	1832	1882
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
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
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
KG	24.2	25.66	27.12	28.58	30.04	31.5	32.96	34.42	35.88	37.34	38.8	40.26	41.72	43.18	44.64	46.1	47.56	49.02	50.48	51.94	53.4	54.86	56.32	57.78	59.24	60.7	62.16	63.62	65.08	66.54

BM Motor Bottom 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
L	432	482	532	582	632	682	732	782	832	882	932	982	1032	1082	1132	1182	1232	1282	1332	1382	1432	1482	1532	1582	1632	1682	1732	1782	1832	1882
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
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
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
KG	24.2	25.66	27.12	28.58	30.04	31.5	32.96	34.42	35.88	37.34	38.8	40.26	41.72	43.18	44.64	46.1	47.56	49.02	50.48	51.94	53.4	54.86	56.32	57.78	59.24	60.7	62.16	63.62	65.08	66.54

MEMO

LETH27 single-axis/1-axis

Screw drive

Maximum Stroke 1700mm | Maximum Speed 1066mm/s | Motor output 1000W | Ball Screw Φ32mm | Straight rail 28×26-2支

Model naming method

LETH27 - L10 - 50 - BC - M100B - C4 - 0001

Model

Ball Screw Lead

Φ32	L10	10mm
	L20	20mm
	L32	32mm
Φ40	L4010	10mm
	L4020	20mm
	L4040	40mm

Stroke

50-1700mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	100	1000W	B

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

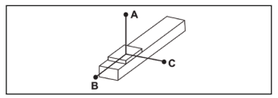
Product parameter

Position repetition accuracy (mm)		±0.01			
Ball Screw Lead (mm)		10	20	32	10
Max. speed(mm/s)		333	666	1066	333
Max. oad(KG)	Max. horizontal load(KG)	200	170	70	220
	Max. vertical load(KG)	105	75	40	150
Stationary thrust (N)		2549	1274	796	2549
Standard stroke (mm)		50-1700mm/50mm Pitch			
AC servo motor capacity(W)		1000			
Ball Screw (mm)		C7Φ32			C7Φ40
High Rigidity Linear Guide (mm)		W28xH26			W34xH29
Coupling (mm)		22x24			22x24
Origin inductor	Outside	UX672-WR(NPN)			

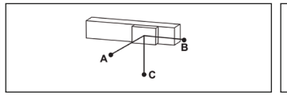
Acceleration and deacceleration value is set 0.2 second.

When the stroke exceeds 1200, the screw will be biased. At this time, please reduce the speed and use the maximum speed of the motor 2000rpm

Allowable Overhang



(Unit : mm)



(Unit : mm)

(Unit : mm)

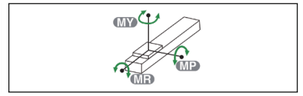
horizontal installation		Load/kg	A/mm	B/mm	C/mm
Φ32	Lead 10 mm	120	1890	460	475
		160	1390	340	350
		200	1090	260	265
	Lead 20 mm	100	1690	495	510
		135	1190	360	370
		170	890	265	275
	Lead 32 mm	45	1490	710	725
		70	1090	460	475
Φ40	Lead 10 mm	130	1393	511	526
		175	1143	361	376
		220	893	261	276

Wall installation		Load/kg	A/mm	B/mm	C/mm
Φ32	Lead 10 mm	120	440	480	1425
		160	315	340	1175
		200	230	260	925
	Lead 20 mm	95	490	510	1225
		125	350	370	975
		165	240	265	725
	Lead 32 mm	50	640	660	925
		70	420	450	775
Φ40	Lead 10 mm	130	493	511	1426
		175	343	361	1176
		220	243	261	926

vertical installation		Load/kg	A/mm	C/mm
Φ32	Lead 10 mm	55	990	1025
		80	670	705
		105	490	525
	Lead 20 mm	50	890	975
		60	690	725
		75	620	655
	Lead 32 mm	30	890	925
		40	590	625
Φ40	Lead 10 mm	70	993	1011
		100	723	741
		150	303	321

(Unit : N.m)

Static Loading Moment



(Unit : mm)

MY	2320
MP	2000
MR	2000

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

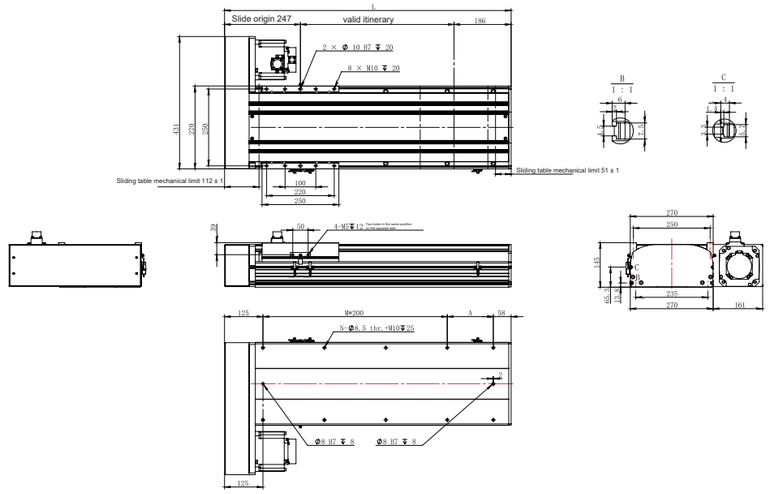
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

List of matching servo motors

Label	Motor marking	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	1000	220	HG-SR103	MR-J4-100A
		With Brake (Vertical Type)	1000	220	HG-SR103B	MR-J4-100A
Panasonic	P	No Brake (Horizontal Type)	1000	220	MDMF102L1G6	MDDLT45SF
		With Brake (Vertical Type)	1000	220	MDMF102L1H6	MDDLT45SF

BC Motor Exposed

Unit:mm

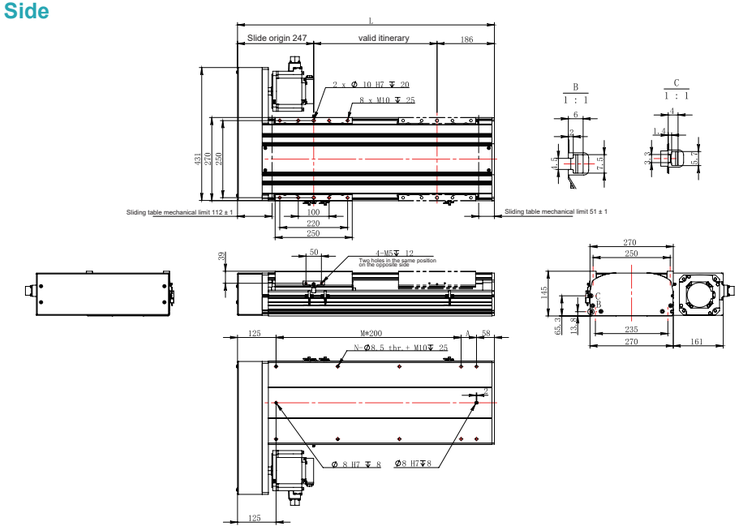


if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	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	1734	1784	1834	1884	1934	1984	2034	2084	2134
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	33.19	35.05	36.92	38.82	40.69	42.61	44.46	46.32	48.22	50.09	51.96	53.86	55.72	57.65	59.50	61.35	63.26	65.13	67.00	68.89	70.76	72.69	74.54	76.39	78.30	80.17	82.03	83.93	85.80	87.73	89.57	91.43	93.34	95.21

BL Motor Left Side

Unit:mm

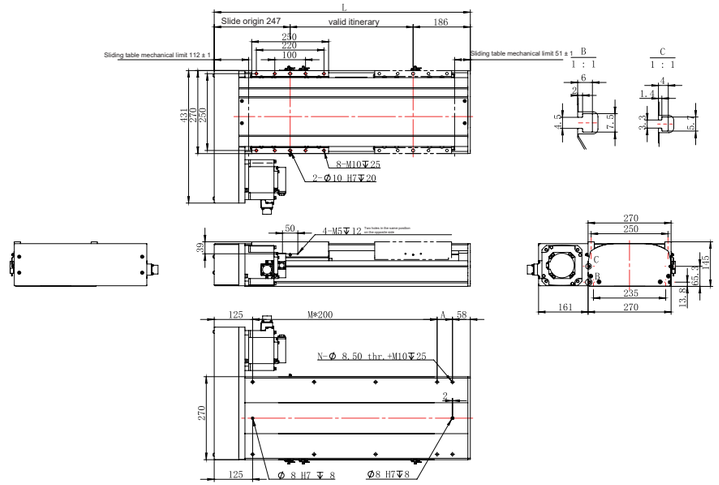


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	483	533	583	633	683	733	783	833	883	933	983	1033	1083	1133	1183	1233	1283	1333	1383	1433	1483	1533	1583	1633	1683	1733	1783	1833	1883	1933	1983	2033	2083	2133
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	34.84	36.7	38.57	40.47	42.33	44.26	46.11	47.76	49.87	51.74	53.6	55.5	57.37	59.29	61.14	62.99	64.9	66.77	68.63	70.53	72.4	74.32	76.17	78.03	79.93	81.8	83.67	85.56	87.43	89.36	91.2	93.06	94.97	96.83

BM Motor Bottom Side

Unit:mm

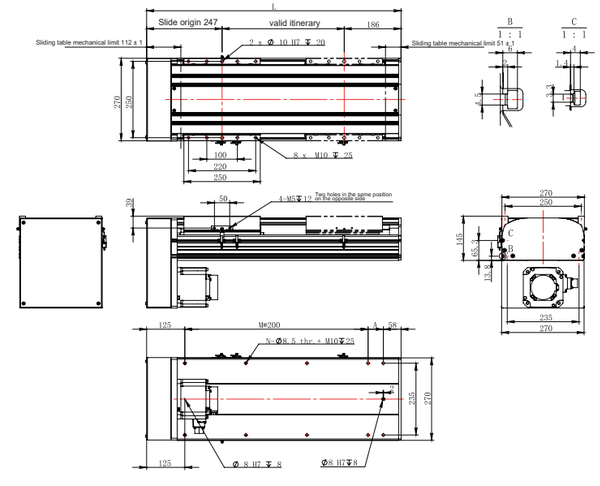


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	483	533	583	633	683	733	783	833	883	933	983	1033	1083	1133	1183	1233	1283	1333	1383	1433	1483	1533	1583	1633	1683	1733	1783	1833	1883	1933	1983	2033	2083	2133
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	34.85	36.71	38.58	40.48	42.34	44.27	46.12	47.97	49.88	51.75	53.61	55.51	57.38	59.30	61.15	63	64.91	66.78	68.64	70.54	72.41	74.33	76.18	78.04	79.94	81.81	83.68	85.57	87.44	89.36	91.21	93.07	94.98	96.84

BR Motor Right Side

Unit:mm



When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	483	533	583	633	683	733	783	833	883	933	983	1033	1083	1133	1183	1233	1283	1333	1383	1433	1483	1533	1583	1633	1683	1733	1783	1833	1883	1933	1983	2033	2083	2133
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	38.07	39.94	41.8	43.7	45.57	47.49	49.34	51.19	53.1	54.97	56.83	58.73	60.60	62.52	64.37	66.23	68.13	70	71.87	73.76	75.63	77.56	79.40	81.26	83.17	85.04	86.90	88.80	90.66	92.59	94.44	96.29	98.20	100.1

Spec Index of Electric Actuator

LETH Ball Screw Actuator-Slider Type

| Environment | Driven Mode | Specification | Motor Output (w) | Width(mm) | Repeatability(mm) | Ball Screw Spec | | Maximum Payload(kg) | | Maximum Speed (mm/s) | Stroke(mm) & Maximum Speed(mm/s) | | |

LETH27 single-axis/1-axis

Screw drive

Maximum Stroke 1700mm | Maximum Speed 1600mm/s | Motor output 1500W | Ball Screw Φ32mm | Straight rail 28×26-2支

Model naming method

ETH27 - L10 - 50 - BC - IN150B - C4 - 0001

Model

Ball Screw Lead

Φ32	L10	10mm
	L20	20mm
	L32	32mm
Φ40	L4010	10mm
	L4020	20mm
	L4040	40mm

Stroke

50-1700mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

IN	INOVANCE	150	1500W	B

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Characteristic pattern

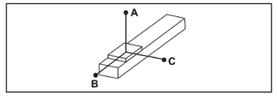
Product parameter

Position repetition accuracy (mm)		±0.01			
Ball Screw Lead (mm)		10	20	32	10
Max. speed(mm/s)		500	1000	1600	500
Max. oad(KG)	Max. horizontal load(KG)	200	170	65	220
	Max. vertical load(KG)	105	75	35	150
Stationary thrust (N)		2549	1274	796	2549
Standard stroke (mm)		50-1700mm/50mm Pitch			
AC servo motor capacity(W)		1500			
Ball Screw (mm)		C7Φ32			C7Φ40
High Rigidity Linear Guide (mm)		W28xH26			W34xH29
Coupling (mm)		22x24			22x24
Origin inductor	Outside	UX672-WR(NPN)			

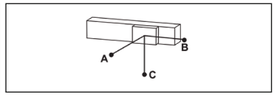
Acceleration and deacceleration value is set 0.2 second.

When the stroke is more than 1000, the screw will be biased, at this time, please reduce the speed and use the maximum speed of the motor 3000rpm

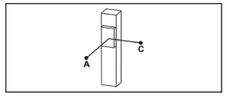
Allowable Overhang



(Unit : mm)

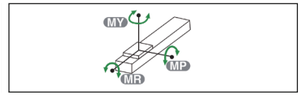


(Unit : mm)



(Unit : mm)

Static Loading Moment



(Unit : mm)

horizontal installation		Load/kg	A/mm	B/mm	C/mm
Φ32	Lead 10 mm	120	1890	460	475
		160	1390	340	350
		200	1090	260	265
	Lead 20 mm	100	1690	495	510
		135	1190	360	370
		170	890	265	275
	Lead 32 mm	45	1490	710	725
		65	1090	460	475
Φ40	Lead 10 mm	130	1393	511	526
		175	1143	361	376
		220	893	261	276

Wall installation		负载/kg	A/mm	B/mm	C/mm
Φ32	Lead 10 mm	120	440	480	1425
		160	315	340	1175
		200	230	260	925
	Lead 20 mm	95	490	510	1225
		125	350	370	975
		165	240	265	725
	Lead 32 mm	50	640	660	925
		65	420	450	775
Φ40	Lead 10 mm	130	493	511	1426
		175	343	361	1176
		220	243	261	926

vertical installation		负载/kg	A/mm	C/mm
Φ32	Lead 10 mm	55	990	1025
		80	670	705
		105	490	525
	Lead 20 mm	50	890	975
		60	690	725
		75	620	655
	Lead 32 mm	30	890	925
		35	590	625
Φ40	Lead 10 mm	70	993	1011
		100	723	741
		150	303	321

(Unit : N.m)

MY	2320
MP	2000
MR	2000

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

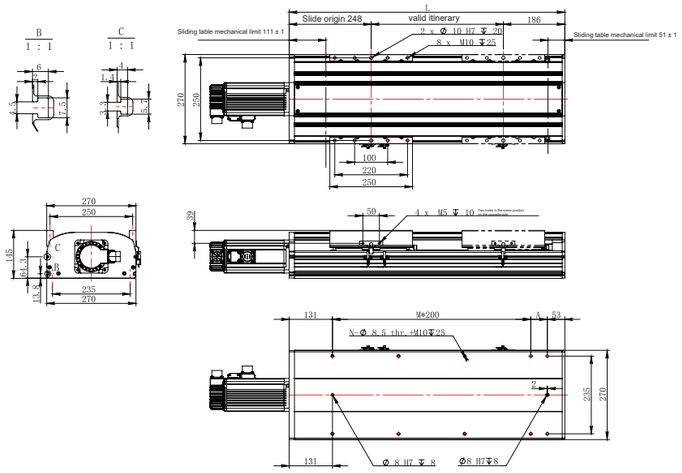
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

搭配伺服马达 matching servo motors

Label	Motor marking	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Inovance	IN	No Brake (Horizontal Type)	1500	220	MS1H2−15C30CB −A331Z	SV660PS012I
		With Brake (Vertical Type)	1500	220	MS1H2−15C30CB −A334Z	SV660PS012I

BC Motor Exposed

Unit:mm

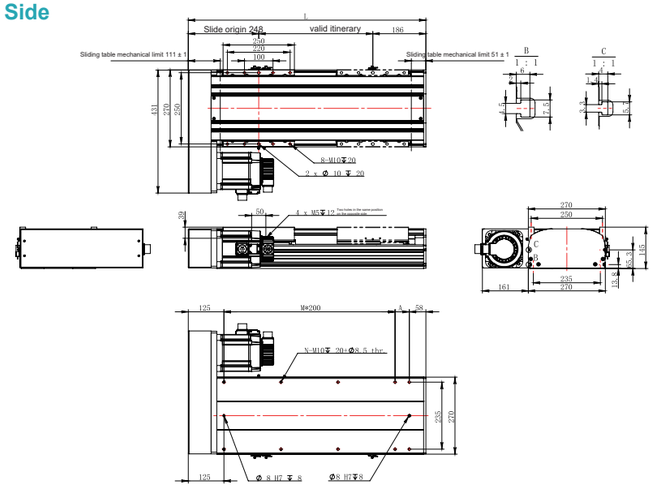


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	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	1734	1784	1834	1884	1934	1984	2034	2084	2134
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	30.38	32.05	33.72	35.38	37.06	38.73	40.40	42.06	43.73	45.40	47.07	48.74	50.41	52.09	53.75	55.41	57.08	58.76	60.43	62.09	63.76	65.44	67.10	68.77	70.44	72.12	73.79	75.46	77.13	78.82	80.48	82.15	83.82	85.50

BM Motor Bottom Side

Unit:mm

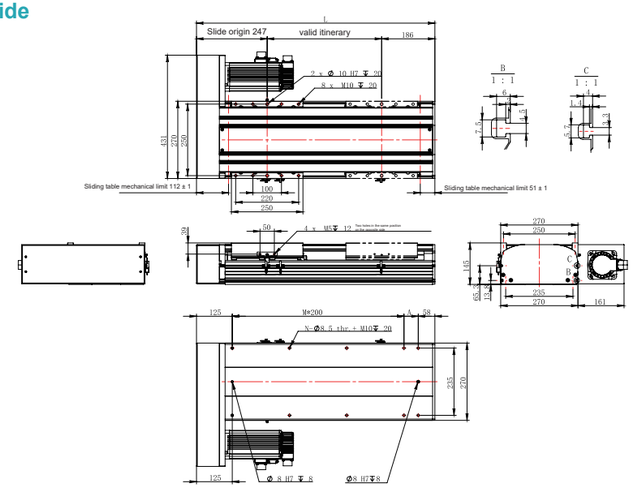


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	483	533	583	633	683	733	783	833	883	933	983	1033	1083	1133	1183	1233	1283	1333	1383	1433	1483	1533	1583	1633	1683	1733	1783	1833	1883	1933	1983	2033	2083	2133
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	3	3	3	4	4	4	4	4	5	5	5	5	5	6	6	6	7	7	7	7	8	8	8	8	9	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	32.11	34.30	36.48	38.70	40.88	43.15	45.29	47.47	49.70	51.88	54.06	56.28	58.47	60.73	62.88	65.05	67.28	69.47	71.65	73.87	76.05	78.32	80.46	82.64	84.86	87.05	89.23	91.45	93.63	95.90	98.05	100.2	102.5	104.6

BL Motor Left Side

Unit:mm

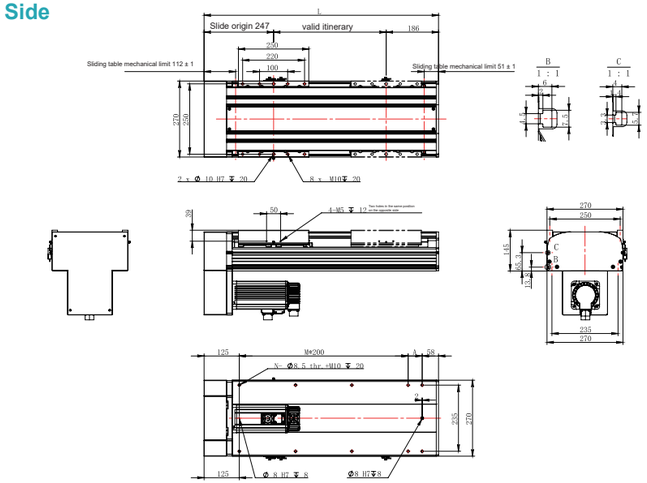


When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	483	533	583	633	683	733	783	833	883	933	983	1033	1083	1133	1183	1233	1283	1333	1383	1433	1483	1533	1583	1633	1683	1733	1783	1833	1883	1933	1983	2033	2083	2133
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	32.11	34.30	36.48	38.70	40.88	43.15	45.29	47.47	49.70	51.88	54.06	56.28	58.47	60.73	62.88	65.05	67.28	69.47	71.65	73.87	76.05	78.32	80.46	82.64	84.86	87.05	89.23	91.45	93.63	95.90	98.05	100.2	102.5	104.6

BR Motor Right Side

Unit:mm



When the stroke is 50mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix;as a result, suggest that fixing actuator body from the bottom to the top.

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	483	533	583	633	683	733	783	833	883	933	983	1033	1083	1133	1183	1233	1283	1333	1383	1433	1483	1533	1583	1633	1683	1733	1783	1833	1883	1933	1983	2033	2083	2133
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	39.61	41.79	43.98	46.19	48.38	50.64	52.79	54.96	57.19	59.38	61.56	63.78	65.96	68.23	70.37	72.55	74.77	76.96	79.14	81.36	83.55	85.81	87.96	90.13	92.36	94.54	96.73	98.95	101.13	103.4	105.5	107.7	109.94	112.1

LETH17M Single axis/1-axis

Long stroke Screw drive

Maximum Stroke	2200mm	Maximum Speed	1280mm/s	Motor output	750W	Ball Screw	Φ16mm	Straight rail	15×12.5-2支

Model naming method

LETH17M - L5 - 800 - BC - M75B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

800-2200mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	-	
T	Delta	75	750W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Characteristic pattern

Product parameter

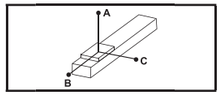
Position repetition accuracy（mm）		±0.01			
Ball Screw Lead（mm）		5	10	20	32
Max. speed(mm/s)		200	400	800	1280
Max. oad(KG)	Max. horizontal load	120	95	50	35
	Max. vertical load	40	25	15	12
Stationary thrust (N)		2563	1281	640	400
Standard stroke (mm)		800-2200mm/50mm Pitch			
AC servo motor capacity(W)		750			
Ball Screw（mm）		C7Φ16			
High Rigidity Linear Guide (mm)		W15×H12.5			
Coupling (mm)		10×19			
Origin inductor	Outside	EE-SX672(NPN)			

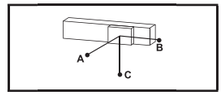
Acceleration and deacceleration value is set 0.2 second.

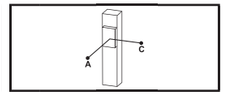
When the stroke is over 1600mm, the run-out of the ballscrew will occur.We recommend to low down the working speed under this circumstances.

Maximum motor speed: 2400rpm.

Allowable Overhang







(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	70kg	2092	162	208
	90kg	1555	117	149
	120kg	1080	78	100
10 Lead	60kg	1107	172	208
	75kg	848	130	156
	95kg	637	94	114
20 Lead	20kg	1498	491	520
	30kg	973	313	334
	50kg	550	172	182
32 Lead	10kg	1311	692	625
	20kg	633	326	295
	35kg	339	169	156

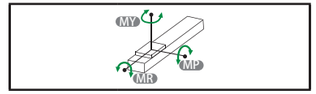
(Unit : mm)

Wall Installation		A	B	C
5 Lead	75kg	190	148	1911
	95kg	140	108	1450
	120kg	100	78	1080
10 Lead	65kg	188	156	1008
	80kg	144	119	788
	95kg	114	94	637
20 Lead	25kg	408	382	1180
	35kg	280	262	825
	50kg	182	172	550
32 Lead	15kg	408	449	860
	25kg	230	252	495
	35kg	156	169	339

(Unit : mm)

Vertical Installation		A	C
5 Lead	15kg	940	940
	22kg	640	640
	40kg	350	350
10 Lead	10kg	1248	1248
	14kg	894	894
	25kg	499	499
20 Lead	7kg	1417	1417
	10kg	993	993
	15kg	660	660
32 Lead	5kg	1255	1255
	8kg	785	785
	12kg	525	525

Static Loading Moment



(Unit : mm)

MY	552
MP	552
MR	638

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

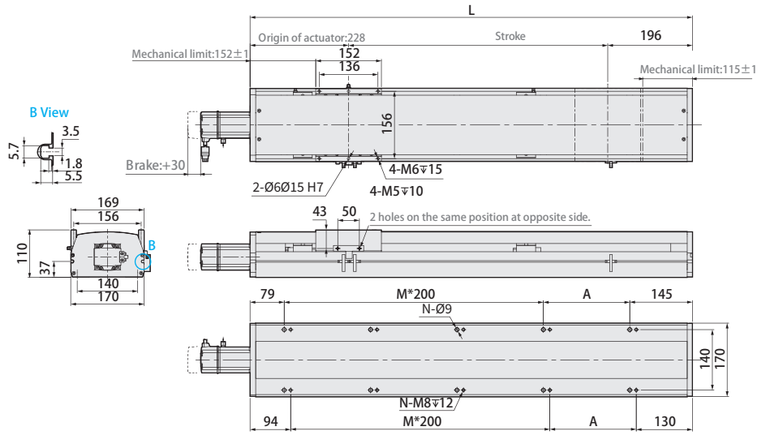
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	750	220	MHMD082G1V	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	750	220	ECMA-C20807FS	ASD-B20721-B

BC Motor Exposed

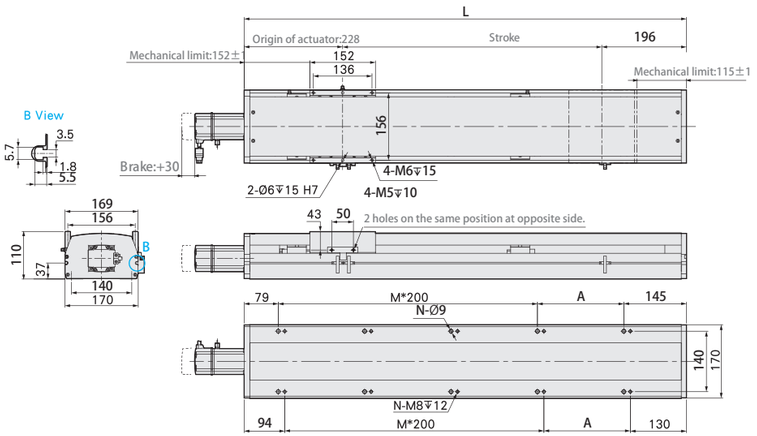
Unit:mm



Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
L	1396	1446	1496	1546	1596	1646	1696	1746	1796	1846	1896	1946	1996	2046	2096	2146	2196	2246	2296	2346	2396	2446	2496	2546	2596	2646	2696	2746	2796
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
M	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	29.88	30.56	31.24	31.92	32.6	33.28	33.96	34.64	35.32	36	36.68	37.36	38.04	38.72	39.4	40.08	40.76	41.44	42.12	42.8	43.48	44.16	44.84	45.52	46.2	46.88	47.56	48.24	48.92

BM Motor Bottom Side

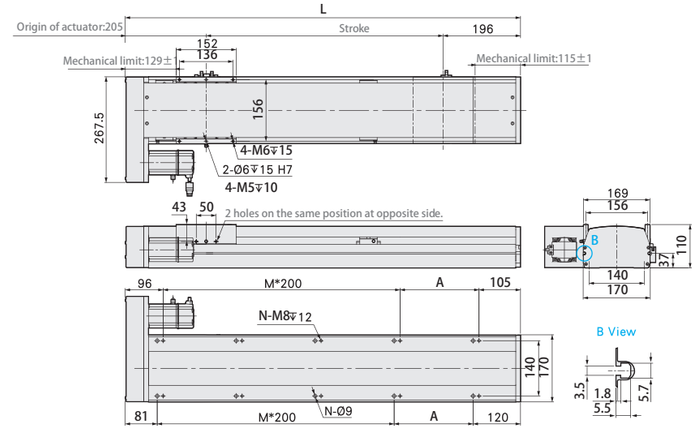
Unit:mm



Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
L	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974	2024	2074	2124	2174	2224	2274	2324	2374	2424	2474	2524	2574	2624
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
M	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	28.99	29.67	30.35	31.03	31.71	32.39	33.07	33.75	34.43	35.11	35.79	36.47	37.15	37.83	38.51	39.19	39.87	40.55	41.23	41.91	42.59	43.27	43.95	44.63	45.31	45.99	46.67	47.35	48.03

BL Motor Left Side

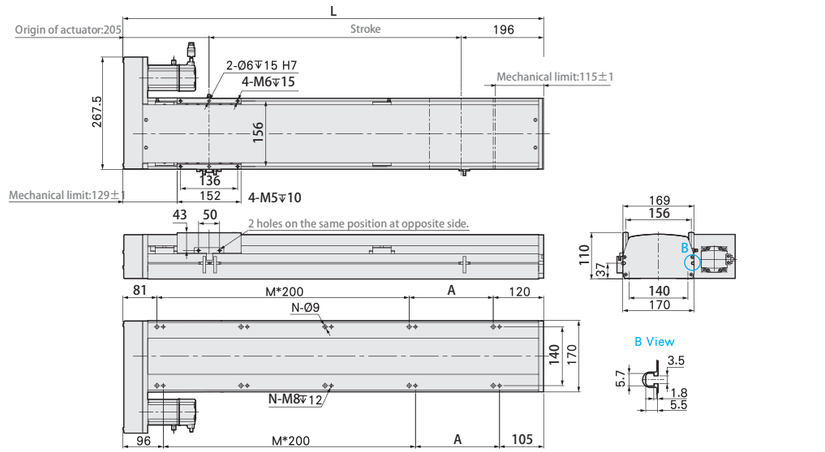
单位 Unit:mm



Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
L	1201	1251	1301	1351	1401	1451	1501	1551	1601	1651	1701	1751	1801	1851	1901	1951	2001	2051	2101	2151	2201	2251	2301	2351	2401	2451	2501	2551	2601
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
M	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	29.86	30.54	31.22	31.9	32.58	33.26	33.94	34.62	35.3	35.98	36.66	37.34	38.02	38.7	39.38	40.06	40.74	41.42	42.1	42.78	43.46	44.14	44.82	45.5	46.18	46.86	47.54	48.22	48.9

BR Motor Right Side

Unit:mm



Stroke	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200
L	1201	1251	1301	1351	1401	1451	1501	1551	1601	1651	1701	1751	1801	1851	1901	1951	2001	2051	2101	2151	2201	2251	2301	2351	2401	2451	2501	2551	2601
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
M	4	5	5	5	5	6	6	6	6	7	7	7	7	8	8	8	8	9	9	9	9	10	10	10	10	11	11	11	11
N	12	14	14	14	14	16	16	16	16	18	18	18	18	20	20	20	20	22	22	22	22	24	24	24	24	26	26	26	26
KG	29.86	30.54	31.22	31.9	32.58	33.26	33.94	34.62	35.3	35.98	36.66	37.34	38.02	38.7	39.38	40.06	40.74	41.42	42.1	42.78	43.46	44.14	44.82	45.5	46.18	46.86	47.54	48.22	48.9

LETH22M Single axis/1-axis

Long stroke Screw drive

Maximum Stroke	2400mm	Maximum Speed	1600mm/s	Motor output	750W	Ball Screw	Φ20mm	Straight rail	20×15-2支

Model naming method

LETH22M - L10 - 850 - M - M75B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

850-2400mm

Motor Position

M	Motor Hidden In
BC	Motor Exposed
BL	Motor Left Side
BR	Motor Right Side
BM	Motor Bottom Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	-	
T	delta	75	750W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1Pc
4	2Pc
	No Sensor
5	No Sensor

Characteristic pattern

Product parameter

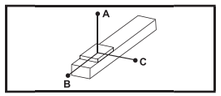
Position repetition accuracy（mm）		±0.01			
Ball Screw Lead（mm）		5	10	20	40
Max. speed(mm/s)		200	400	800	1600
Max. oad(KG)	Max. horizontal load	130	130	85	43
	Max. vertical load	50	40	25	12
Stationary thrust (N)		2563	1281	640	320
Standard stroke (mm)		850-2400mm/50mm Pitch			
AC servo motor capacity(W)		750			
Ball Screw（mm）		C7Φ20			
High Rigidity Linear Guide (mm)		W20×H15			
Coupling (mm)		12×19			
Origin inductor	Outside	EE-SX672(NPN)			

Acceleration and deacceleration value is set 0.2 second.

When the stroke is over 2050mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

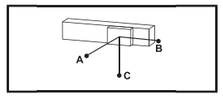
Maximum motor speed: 2400rpm.

Allowable Overhang



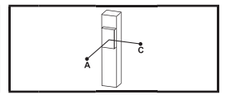
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	80kg	3311	411	403
	100kg	2534	320	308
	130kg	2113	228	221
10 Lead	70kg	2700	430	394
	90kg	2022	320	294
	130kg	1311	198	184
20 Lead	40kg	2044	662	558
	60kg	1316	417	352
	85kg	886	272	231
40 Lead	20kg	1180	766	533
	25kg	927	599	418
	43kg	510	318	224



(Unit : mm)

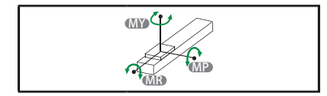
Wall Installation		A	B	C
5 Lead	85kg	370	388	3066
	105kg	288	299	2389
	130kg	221	228	2113
10 Lead	75kg	368	398	2515
	95kg	277	300	1926
	130kg	184	198	1328
20 Lead	45kg	490	582	1805
	65kg	321	381	1204
	85kg	231	272	886
40 Lead	25kg	418	601	930
	35kg	286	408	644
	43kg	224	318	510



(Unit : mm)

Vertical Installation		A	C
5 Lead	30kg	1301	1301
	40kg	977	977
	50kg	781	781
10 Lead	20kg	1735	1735
	30kg	1156	1156
	40kg	867	867
20 Lead	15kg	1835	1835
	20kg	1376	1376
	25kg	1101	1101
40 Lead	7kg	1943	1943
	12kg	1133	1133
	-	-	-

Static Loading Moment



(Unit : mm)

MY	1254
MP	1254
MR	1254

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

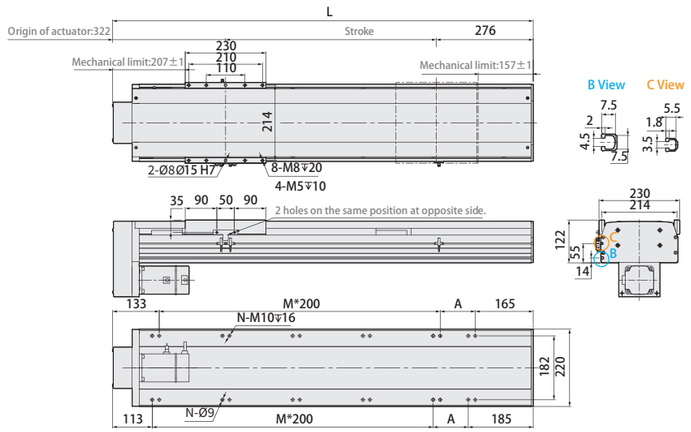
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	750	220	MHMD082G1V	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	750	220	ECMA-C20807FS	ASD-B20721-B

M Motor Hidden In

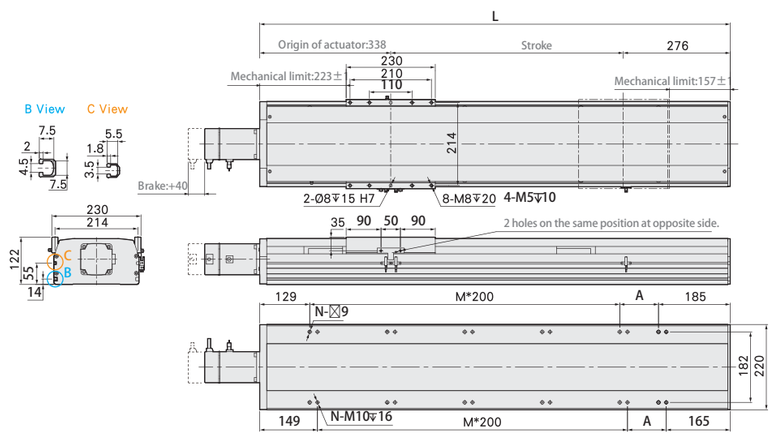
Unit:mm



Stroke	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400
L	1659	1709	1759	1809	1859	1909	1959	2009	2059	2109	2159	2209	2259	2309	2359	2409	2459	2509	2559	2609	2659	2709	2759	2809	2859	2909	2959	3009	3059	3109	3159	3209
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	50	100	150	200	50	100
M	5	5	6	6	6	6	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	13
N	14	14	16	16	16	16	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	30
KG	56.61	57.97	59.33	60.69	62.05	63.41	64.77	66.13	67.49	68.85	70.21	71.57	72.93	74.29	75.65	77.01	78.37	79.73	81.09	82.45	83.81	85.17	86.53	87.89	89.25	90.61	91.97	93.33	94.69	96.05	97.41	98.77

BC Motor Exposed

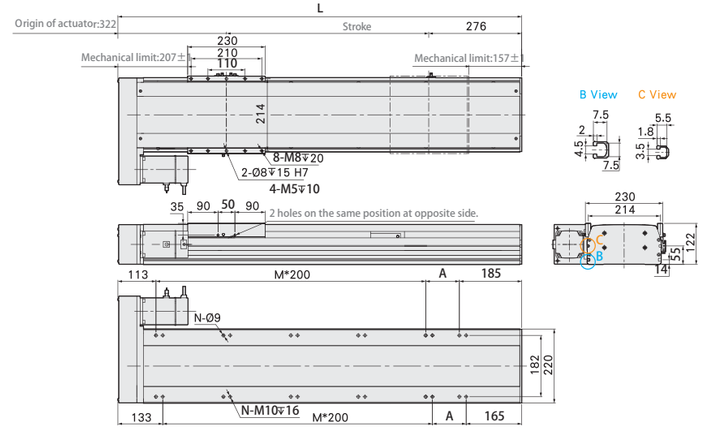
Unit:mm



Stroke	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400
L	1464	1514	1564	1614	1664	1714	1764	1814	1864	1914	1964	2014	2064	2114	2164	2214	2264	2314	2364	2414	2464	2514	2564	2614	2664	2714	2764	2814	2864	2914	2964	3014
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	50	100	150	200	50	100
M	5	5	6	6	6	6	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	13
N	14	14	16	16	16	16	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	30
KG	53.91	55.27	56.63	57.99	59.35	60.71	62.07	63.43	64.79	66.15	67.51	68.87	70.23	71.59	72.95	74.31	75.67	77.03	78.39	79.75	81.11	82.47	83.83	85.19	86.55	87.91	89.27	90.63	91.99	93.35	94.71	96.07

BL Motor Left Side

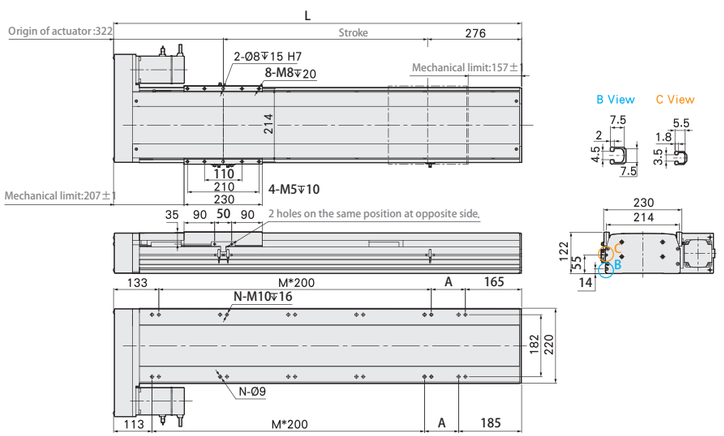
Unit:mm



Stroke	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400
L	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148	2198	2248	2298	2348	2398	2448	2498	2548	2598	2648	2698	2748	2798	2848	2898	2948	2998
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	50	100	150	200	50	100
M	5	5	6	6	6	6	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	13
N	14	14	16	16	16	16	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	30
KG	55.11	56.47	57.83	59.19	60.55	61.91	63.27	64.63	65.99	67.35	68.71	70.07	71.43	72.79	74.15	75.51	76.87	78.23	79.59	80.95	82.31	83.67	85.03	86.39	87.75	89.11	90.47	91.83	93.19	94.55	95.91	97.27

BR Motor Right Side

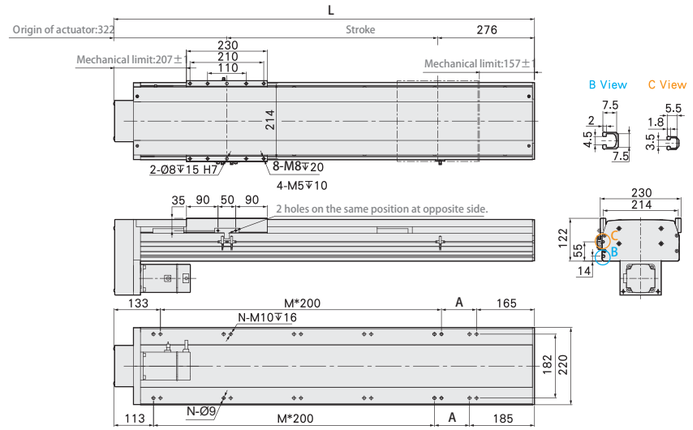
Unit:mm



Stroke	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400
L	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148	2198	2248	2298	2348	2398	2448	2498	2548	2598	2648	2698	2748	2798	2848	2898	2948	2998
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	50	100	150	200	50	100
M	5	5	6	6	6	6	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	13
N	14	14	16	16	16	16	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	30
KG	55.11	56.47	57.83	59.19	60.55	61.91	63.27	64.63	65.99	67.35	68.71	70.07	71.43	72.79	74.15	75.51	76.87	78.23	79.59	80.95	82.31	83.67	85.03	86.39	87.75	89.11	90.47	91.83	93.19	94.55	95.91	97.27

BM Motor Bottom Side

Unit:mm



Stroke	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700	1750	1800	1850	1900	1950	2000	2050	2100	2150	2200	2250	2300	2350	2400
L	1448	1498	1548	1598	1648	1698	1748	1798	1848	1898	1948	1998	2048	2098	2148	2198	2248	2298	2348	2398	2448	2498	2548	2598	2648	2698	2748	2798	2848	2898	2948	2998
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	50	100	150	200	50	100
M	5	5	6	6	6	6	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	13
N	14	14	16	16	16	16	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	30
KG	55.11	56.47	57.83	59.19	60.55	61.91	63.27	64.63	65.99	67.35	68.71	70.07	71.43	72.79	74.15	75.51	76.87	78.23	79.59	80.95	82.31	83.67	85.03	86.39	87.75	89.11	90.47	91.83	93.19	94.55	95.91	97.27

Sliding table series

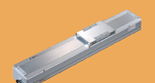
LECH Series

Clean Room/Ball Screw

CONTENTS

Clean Room/Ball Screw

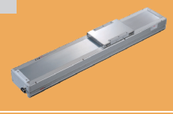
MEDIUM

LECH14  Width 135mm
Max. stroke 1050mm
Max. payload 110kg

LARGE

LECH17 Width 170mm
Max. stroke 1250mm
Max. payload 120kg

LARGE

LECH22  Width 220mm
Max. stroke 1500mm
Max. payload 150kg

Spec Index of Electric Actuator

LECH Clean Room Bali Screw Actuator

Environment	Driven Mode	Specification	Motor Output (w)	Width(mm)	Repeatability(mm)	Ball Screw Spec		Maximum Payload(kg)		Maximum Speed *1 (mm/s)
						Outer Diameter(mm)	Lead(mm)	Horizontal	Vertical	
Clean Room	Ball screw	LECH14	200W	135	±0.01	16	5	95	27	250
							10	75	18	500
							20	35	7	1000
							32	15	-	1600
			400W	135			5	110	33	250
							10	88	22	500
							20	40	10	1000
							32	30	8	1600
		LECH17	400W	170		20	5	120	40	250
							10	110	30	500
							20	75	14	1000
							40	22	7	2000
			750W	170			5	120	50	250
							10	120	40	500
							20	83	25	1000
							40	43	12	2000
		LECH22	750W	220		25	5	150	55	250
							10	150	45	500
							25	105	20	1250
						20	40	43	12	2000

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

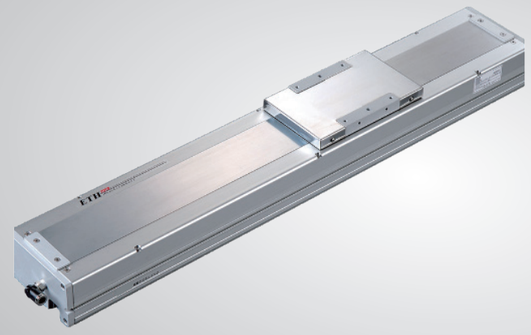
Written here is the standard storke's maximum safe speed. If over this speed, it may casue serious virbration.

*2 Stroke(mm) & Maximum Speed(mm/s) — Speed

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
250																225	200	175	150	125	100									
500																450	400	350	300	250	200									
1000																900	800	700	600	500	400									
1600																1440	1280	1120	960	800	640									
250																225	200	175	150	125	100									
500																450	400	350	300	250	200									
1000																900	800	700	600	500	400									
1600																1440	1280	1120	960	800	640									
250																			225	200	175	150								
500																			450	400	350	300								
1000																			900	800	700	600								
2000																			1800	1600	1400	1200								
250																			225	200	175	150								
500																			450	400	350	300								
1000																			900	800	700	600								
2000																			1800	1600	1400	1200								
250																				225	200	175	150	125	100					
500																				450	400	350	300	250	200					
1250																				1125	1000	875	750	625	500					
2000																				1800	1600	1400	1200	1000	800	600				

LECH14 single-axis/1-axis

Clean Room Screw drive



Maximum Stroke	Maximum Speed	Motor output	Ball Screw	LinearGuide
1050mm	1600mm/s	400W	Φ16mm	15C×12.5-2支

Model naming method

LECH14 - L5 - 50 - BC - M40B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

50-1050mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	400W	
T	Delta	75	-	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	In Side
1	1 Pc
2	2 Pc
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Characteristic pattern

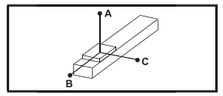
Product parameter

Position repetition accuracy（mm）		±0.01			
Ball Screw Lead（mm）		5	10	20	32
Max. speed(mm/s)		250	500	1000	1600
Max. oad(KG)	Max. horizontal load	110	88	40	30
	Max. vertical load	33	22	10	8
Stationary thrust (N)		1388	694	347	217
Standard stroke (mm)		50-1050mm/50mm Pitch			
AC servo motor capacity(W)		400			
Ball Screw（mm）		C7Φ16			
High Rigidity Linear Guide (mm)		W15×H12.5			
Coupling (mm)		10×14			
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX674(NPN)			

Acceleration and deacceleration value is set 0.2 second.

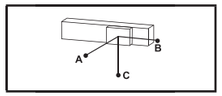
When the stroke is over 750mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

Allowable Overhang



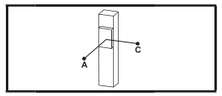
(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	60kg	2512	242	232
	80kg	1811	172	164
	110kg	1284	114	108
10 Lead	30kg	2727	470	430
	50kg	1577	266	242
	88kg	854	134	122
20 Lead	10kg	2304	1222	1028
	22kg	1443	540	451
	40kg	860	277	233
32 Lead	15kg	1033	545	405
	25kg	604	311	233
	30kg	495	251	188



(Unit : mm)

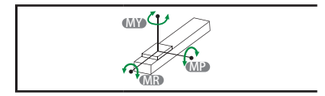
Wall Installation		A	B	C
5 Lead	55kg	257	269	2883
	75kg	178	186	2000
	110kg	108	114	1284
10 Lead	35kg	363	395	2368
	55kg	218	238	1445
	88kg	123	134	854
20 Lead	12kg	854	1019	2552
	20kg	500	596	1588
	40kg	233	277	860
32 Lead	15kg	405	545	1033
	30kg	188	251	495
	-	-	-	-



(Unit : mm)

Vertical Installation		A	C
5 Lead	15kg	1118	1118
	22kg	770	770
	33kg	513	513
10 Lead	10kg	1500	1500
	14kg	1072	1072
	22kg	682	682
20 Lead	7kg	1700	1700
	10kg	1188	1188
	-	-	-
32 Lead	5kg	1503	1503
	8kg	944	944
	-	-	-

Static Loading Moment



(Unit : mm)

MY	551
MP	552
MR	485

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

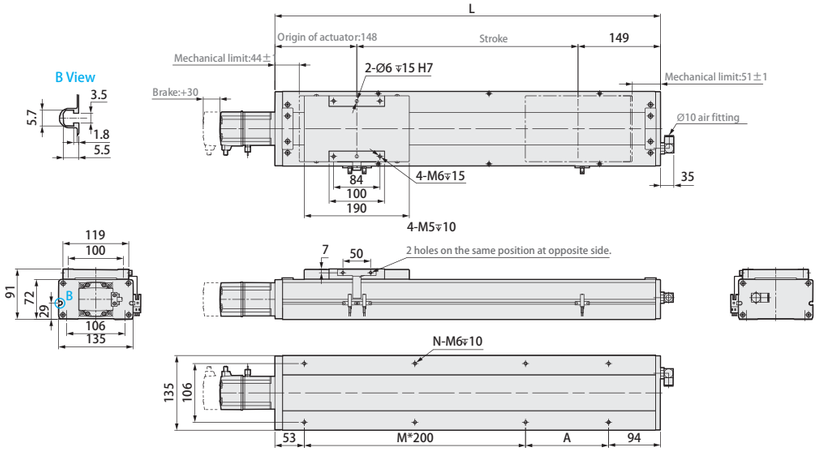
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	400	220	HG-KR43	MR-J4-40A
		With Brake (Vertical Type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	P	No Brake (Horizontal Type)	400	220	MHMD042G1U	MBDHT2510
		With Brake (Vertical Type)	400	220	MHMD042G1V	MBDHT2510
Delta	T	No Brake (Horizontal Type)	400	220	ECMA-C20604ES	ASD-B20421-B
		With Brake (Vertical Type)	400	220	ECMA-C20604FS	ASD-B20421-B

BC Motor Exposed

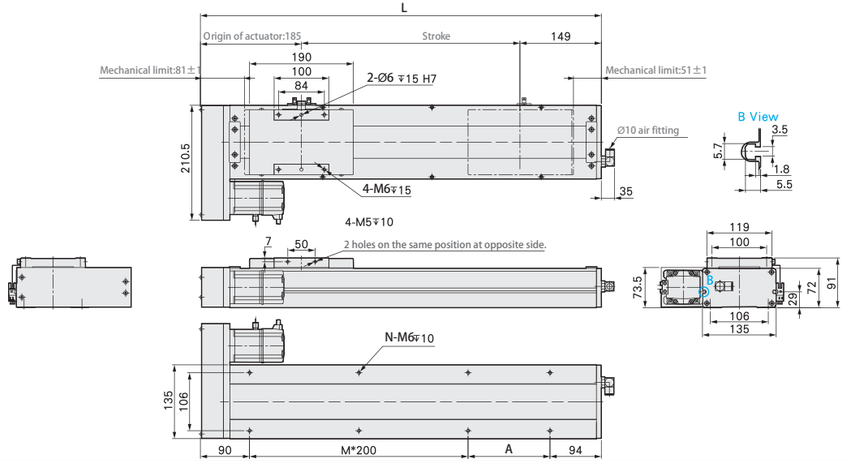
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	347	397	447	497	547	597	647	697	747	797	847	897	947	997	1047	1097	1147	1197	1247	1297	1347
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	10.5	11.1	11.7	12.3	12.9	13.5	14.1	14.7	15.3	15.9	16.5	17.1	17.7	18.3	18.9	19.5	20.1	20.7	21.3	21.9	22.5

BM Motor Bottom Side

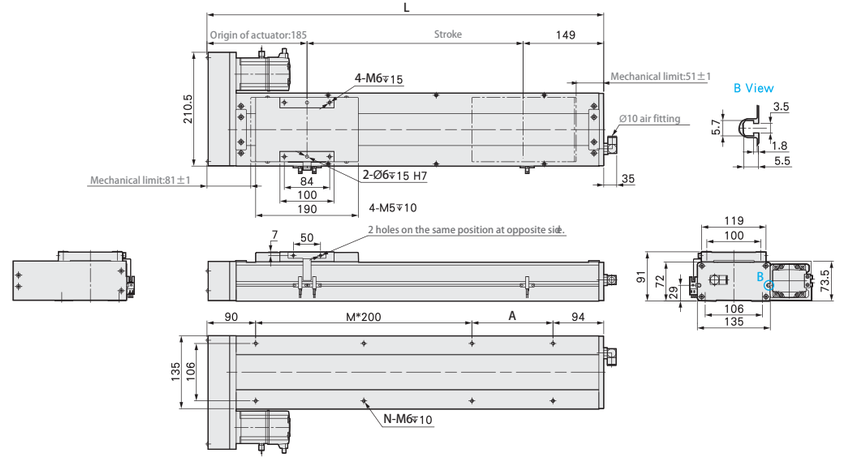
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	10.9	11.52	12.14	12.76	13.38	14	14.62	15.24	15.86	16.48	17.1	17.72	18.34	18.96	19.58	20.2	20.82	21.44	22.06	22.68	23.3

BL Motor Left Side

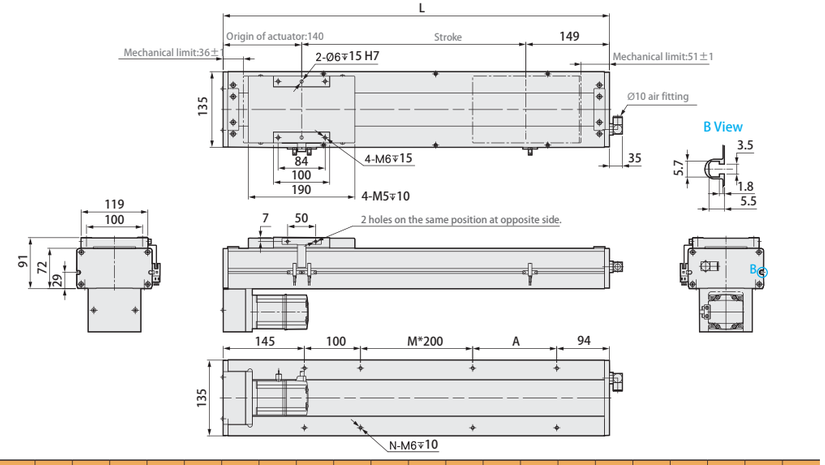
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	384	434	484	534	584	634	684	734	784	834	884	934	984	1034	1084	1134	1184	1234	1284	1334	1384
A	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
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	10.9	11.52	12.14	12.76	13.38	14	14.62	15.24	15.86	16.48	17.1	17.72	18.34	18.96	19.58	20.2	20.82	21.44	22.06	22.68	23.3

BR Motor Right Side

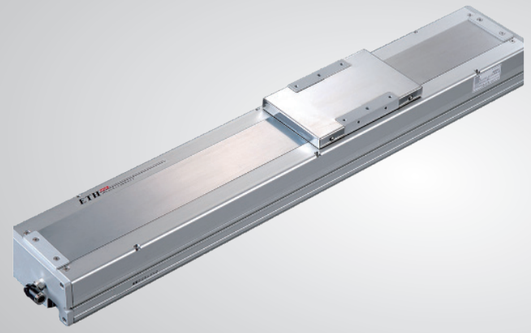
Unit:mm



Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
L	339	389	439	489	539	589	639	689	739	789	839	889	939	989	1039	1089	1139	1189	1239	1289	1339
A	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200
M	0	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4
N	4	6	6	6	6	8	8	8	8	10	10	10	10	12	12	12	12	14	14	14	14
KG	10.9	11.52	12.14	12.76	13.38	14	14.62	15.24	15.86	16.48	17.1	17.72	18.34	18.96	19.58	20.2	20.82	21.44	22.06	22.68	23.3

LECH17 Single axis/1-axis

Clean Room Screw drive



Maximum Stroke 1250mm | Maximum Speed 2000mm/s | Motor output 750W | Ball Screw Φ20mm | LinearGuide 20×15-2支

Model naming method

LECH17 - L5 - 50 - BC - M75B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
20	20mm
32	32mm

Stroke

50-1250mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	Yaskawa	40	-	
T	Delta	75	750W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	In Side
1	1 Pc
2	2 Pc
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

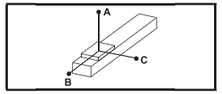
Characteristic pattern

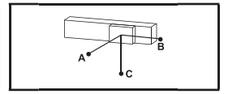
Product parameter

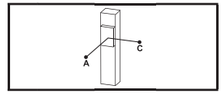
Position repetition accuracy（mm）		±0.01			
Ball Screw Lead（mm）		5	10	20	40
Max. speed(mm/s)		250	500	1000	2000
Max. oad(KG)	Max. horizontal load	120	120	83	43
	Max. vertical load	50	40	25	12
Stationary thrust (N)		2563	1281	640	320
Standard stroke (mm)		50-1250mm/50mm Pitch			
AC servo motor capacity(W)		750			
Ball Screw（mm）		C7Φ20			
High Rigidity Linear Guide（mm）		W20×H15			
Coupling (mm)		12×19			
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX674(NPN)			

Acceleration and deacceleration value is set 0.2 second. When the stroke is over 850mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

Allowable Overhang







(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	70kg	3235	349	408
	90kg	2482	263	306
	120kg	1861	187	218
10 Lead	65kg	1911	338	373
	85kg	1445	248	276
	120kg	1000	164	182
20 Lead	35kg	1666	547	538
	55kg	1030	331	328
	83kg	654	206	204
40 Lead	15kg	1126	740	577
	22kg	755	491	384
	43kg	366	231	183

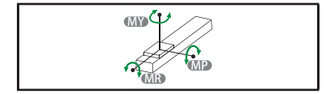
(Unit : mm)

Wall Installation		A	B	C
5 Lead	75kg	377	322	2988
	95kg	288	246	2333
	120kg	218	187	1850
10 Lead	60kg	408	368	2092
	80kg	296	266	1554
	120kg	182	164	1002
20 Lead	30kg	633	644	1961
	50kg	365	369	1143
	83kg	204	206	656
40 Lead	12kg	729	936	1417
	22kg	384	491	755
	43kg	183	231	366

(Unit : mm)

Vertical Installation		A	C
5 Lead	20kg	1368	1368
	30kg	911	911
	50kg	546	546
10 Lead	15kg	1618	1618
	25kg	970	970
	40kg	607	607
20 Lead	10kg	1922	1922
	14kg	1377	1377
	25kg	769	769
40 Lead	7kg	1356	1356
	12kg	790	790
	-	-	-

Static Loading Moment



(Unit : mm)

MY	1032
MP	1034
MR	908

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

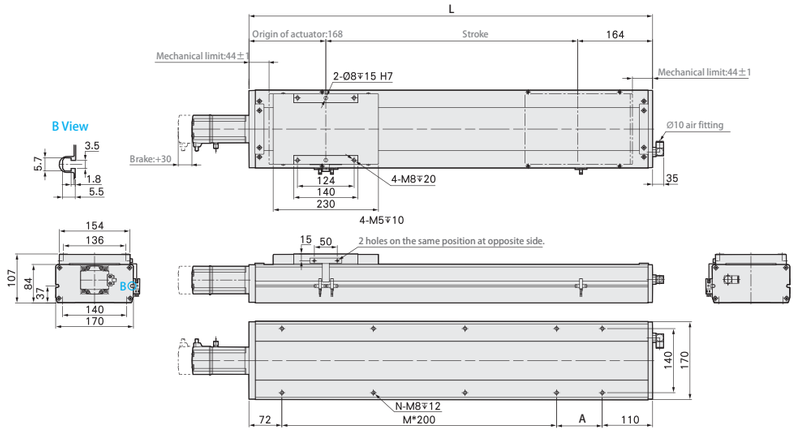
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	750	220	MHMD082G1V	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	750	220	ECMA-C20807FS	ASD-B20721-B

BC Motor Exposed

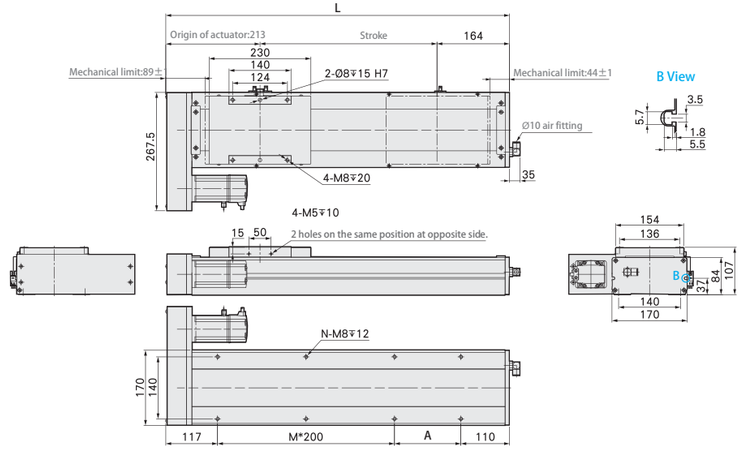
Unit:mm



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
L	392	442	492	542	592	642	692	742	792	842	892	942	992	1042	1092	1142	1192	1242	1292	1342	1392	1442	1492	1542	1592
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	11.84	12.62	13.4	14.18	14.96	15.74	16.52	17.3	18.08	18.85	19.63	20.41	21.19	21.97	22.75	23.53	24.31	25.09	25.87	26.65	27.43	28.21	28.99	29.77	30.55

BL Motor Left Side

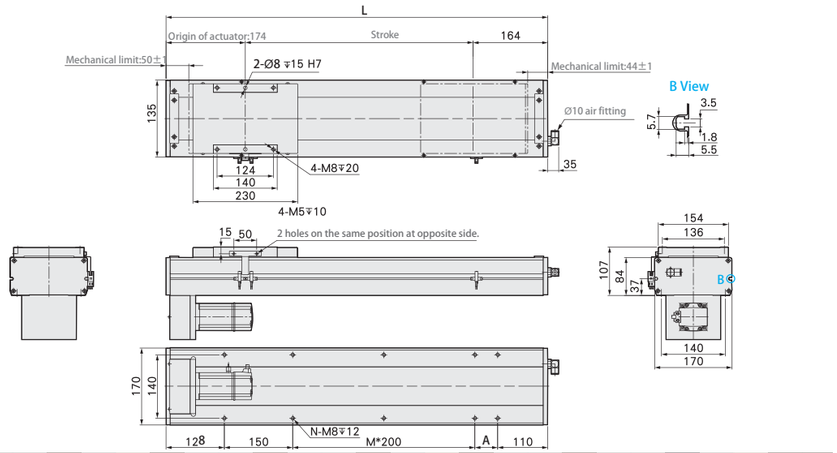
Unit:mm



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
L	427	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627
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	12.61	13.39	14.17	14.96	15.74	16.53	17.31	18.1	18.88	19.67	20.45	21.24	22.02	22.81	23.59	24.38	25.17	25.95	26.74	27.52	28.31	29.09	29.88	30.66	31.45

BM Motor Bottom Side

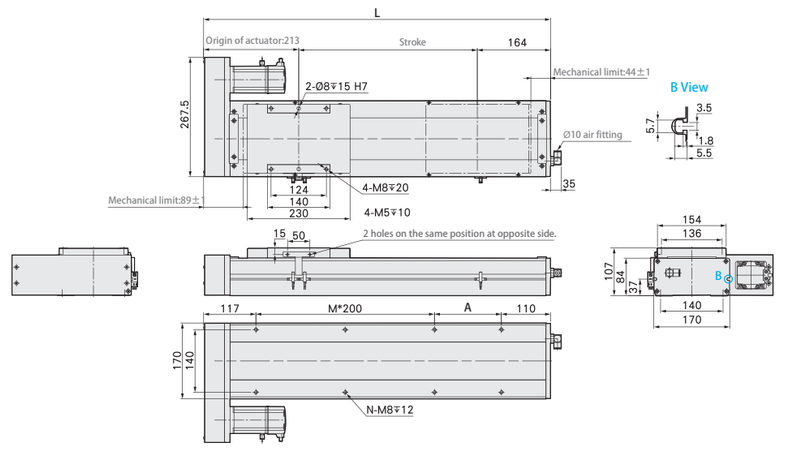
Unit:mm



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
L	388	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588
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	0	0	0	0	1	1	1	1	2	2	2	2	3	3	3	3	4	4	4	4	5	5	5	5
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	12.61	13.39	14.17	14.96	15.74	16.53	17.31	18.1	18.88	19.67	20.45	21.24	22.02	22.81	23.59	24.38	25.17	25.95	26.74	27.52	28.31	29.09	29.88	30.66	31.45

BR Motor Right Side

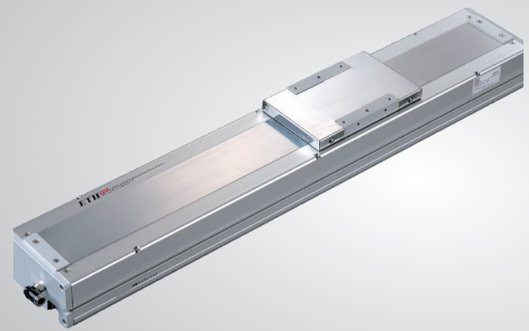
Unit:mm



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
L	427	477	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627
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	12.61	13.39	14.17	14.96	15.74	16.53	17.31	18.1	18.88	19.67	20.45	21.24	22.02	22.81	23.59	24.38	25.17	25.95	26.74	27.52	28.31	29.09	29.88	30.66	31.45

LECH22 Single axis/1-axis

Clean Room Screw drive



Maximum Stroke 1500mm | Maximum Speed 2000mm/s | Motor output 750W | Ball Screw Φ25mm | LinearGuide 23×18-2支

Model naming method

LECH22 - L10 - 50 - BC - M75B - C4 - 0001

Model

Ball Screw Lead

5	5mm
10	10mm
25	25mm
40	40mm

Stroke

50-1500mm

Motor Position

BC	Motor Exposed
BM	Motor Bottom Side
BL	Motor Left Side
BR	Motor Right Side

Motor Brand /Power Output

M	Mitsubishi	10	-	B
P	Panasonic	20	-	
Y	yaskawa	40	-	
T	delta	75	750W	

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	In Side
1	1 Pc
2	2 Pc
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Characteristic pattern

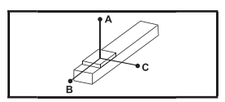
Product parameter

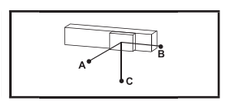
Position repetition accuracy（mm）		±0.01			
Ball Screw Lead（mm）		5	10	25	40
Max. speed(mm/s)		250	500	1250	2000
Max. oad(KG)	Max. horizontal load	150	150	105	43
	Max. vertical load	55	45	20	12
Stationary thrust (N)		2565	1281	640	320
Standard stroke (mm)		50-1500mm/50mm Pitch			
AC servo motor capacity(W)		750			
Ball Screw（mm）		C7Φ25			C7Φ20
High Rigidity Linear Guide (mm)		W23×H18			
Coupling (mm)		17×19			12×19
Origin inductor	Outside	EE-SX672(NPN)			
	Built-in	EE-SX674(NPN)			

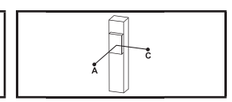
Acceleration and deacceleration value is set 0.2 second.

When the stroke is over 900mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.

Allowable Overhang







(Unit : mm)

Horizontal Installation		A	B	C
5 Lead	100kg	5000	633	557
	125kg	3880	491	431
	150kg	3357	396	347
10 Lead	100kg	3220	563	474
	125kg	2554	434	367
	150kg	2113	349	295
25 Lead	65kg	1522	614	458
	85kg	1136	451	336
	105kg	893	350	262
40 Lead	18kg	2445	1616	1052
	30kg	1436	938	613
	43kg	978	630	412

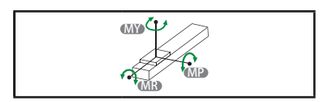
(Unit : mm)

Wall Installation		A	B	C
5 Lead	110kg	500	569	4500
	130kg	412	469	3711
	150kg	347	396	3357
10 Lead	110kg	427	503	2900
	130kg	351	414	2444
	150kg	295	349	2113
25 Lead	70kg	420	564	1404
	90kg	315	420	1066
	105kg	262	350	893
40 Lead	15kg	1272	1955	2948
	24kg	778	1190	1813
	43kg	412	630	978

(Unit : mm)

Vertical Installation		A	C
5 Lead	30kg	2355	2355
	40kg	1768	1768
	55kg	1288	1288
10 Lead	25kg	2505	2505
	35kg	1795	1795
	45kg	1396	1396
20 Lead	15kg	2711	2711
	20kg	2033	2033
	20kg	2033	2033
40 Lead	7kg	3511	3511
	12kg	2055	2055
	12kg	2055	2055

Static Loading Moment



(Unit : mm)

MY	2052
MP	2052
MR	1810

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

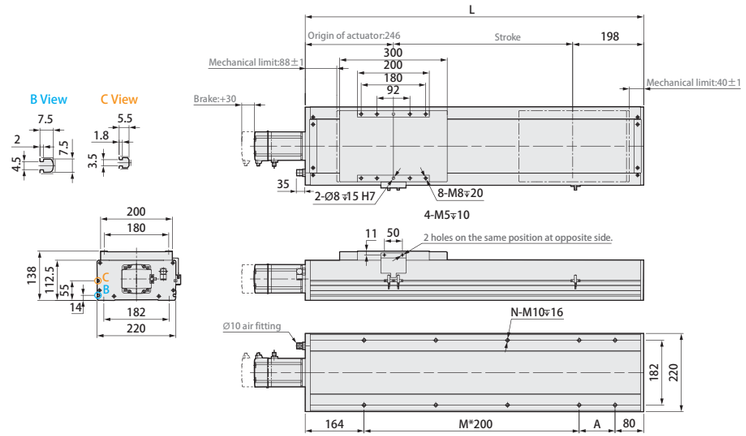
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	Driver Model
Mitsubishi	M	No Brake (Horizontal Type)	750	220	HG-KR73	MR-J4-70A
		With Brake (Vertical Type)	750	220	HG-KR73B	MR-J4-70A
Panasonic	P	No Brake (Horizontal Type)	750	220	MHMD082G1U	MCDHT3520
		With Brake (Vertical Type)	750	220	MHMD082G1V	MCDHT3520
Delta	T	No Brake (Horizontal Type)	750	220	ECMA-C20807ES	ASD-B20721-B
		With Brake (Vertical Type)	750	220	ECMA-C20807FS	ASD-B20721-B

BC Motor Exposed

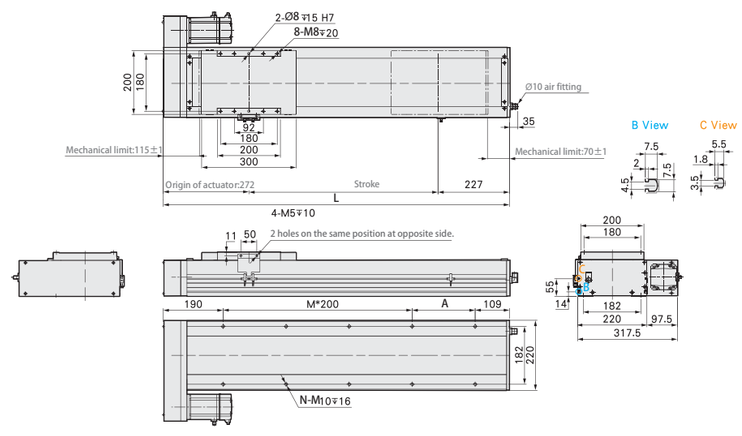
Unit:mm



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
L	494	544	594	644	694	744	794	844	894	944	994	1044	1094	1144	1194	1244	1294	1344	1394	1444	1494	1544	1594	1644	1694	1744	1794	1844	1894	1994
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
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
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
KG	27.5	28.96	30.42	31.88	33.34	34.8	36.26	37.72	39.18	40.64	42.1	43.56	45.02	46.48	47.94	49.4	50.86	52.32	53.78	55.24	56.7	58.16	59.62	61.08	62.54	64	65.46	66.92	68.38	69.84

BL Motor Left Side

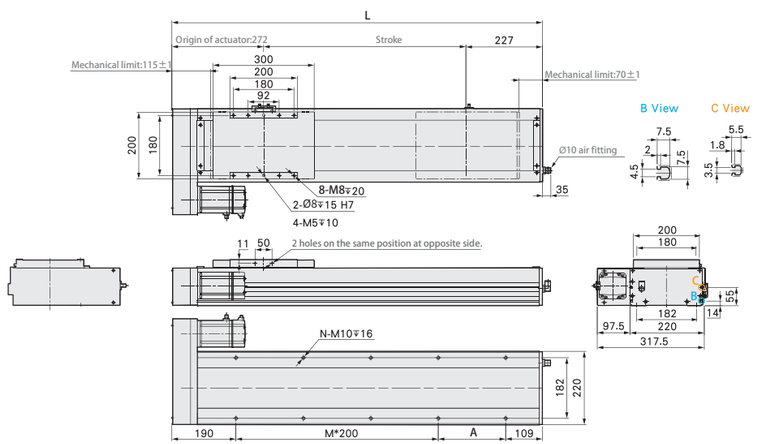
Unit:mm



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
L	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
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
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
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
KG	28.6	30.06	31.52	32.98	34.44	35.9	37.36	38.82	40.28	41.74	43.2	44.66	46.12	47.58	49.04	50.5	51.96	53.42	54.88	56.34	57.8	59.26	60.72	62.18	63.64	65.1	65.56	68.02	69.48	70.94

BM Motor Bottom Side

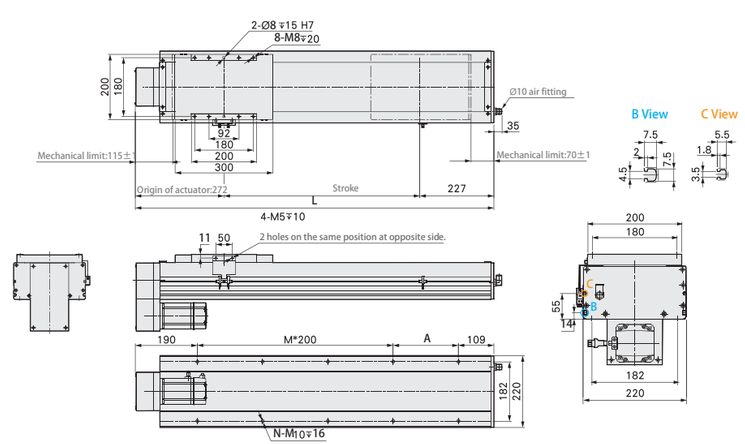
Unit:mm



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
L	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
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
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
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
KG	28.6	30.06	31.52	32.98	34.44	35.9	37.36	38.82	40.28	41.74	43.2	44.66	46.12	47.58	49.04	50.5	51.96	53.42	54.88	56.34	57.8	59.26	60.72	62.18	63.64	65.1	65.56	68.02	69.48	70.94

BR Motor Right Side

Unit:mm



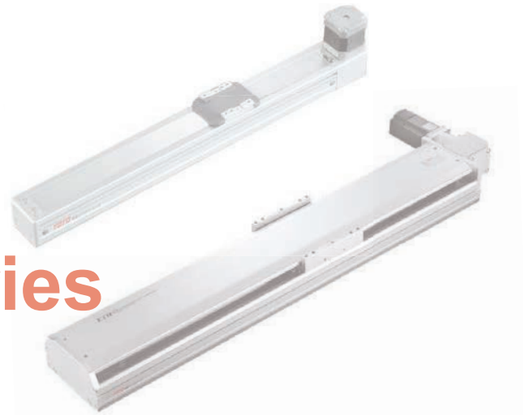
Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500
L	549	599	649	699	749	799	849	899	949	999	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
A	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100
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
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
KG	28.6	30.06	31.52	32.98	34.44	35.9	37.36	38.82	40.28	41.74	43.2	44.66	46.12	47.58	49.04	50.5	51.96	53.42	54.88	56.34	57.8	59.26	60.72	62.18	63.64	65.1	65.56	68.02	69.48	70.94

MEMO

Sliding table series

LETB Series

Standard/Belt Type



CONTENTS

Standard/Belt Type

MEDIUM

LETB10

Width 102mm
Max. stroke 2250mm
Max. payload 10kg

LARGE

LETB22M

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

MEDIUM

LETB14M

Width 135mm
Max. stroke 3050mm
Max. payload 25kg

LARGE

LETB17M

Width 170mm
Max. stroke 3050mm
Max. payload 45kg

LGTH series
LGCH series
LETH series
LECH series

Spec Index of Electric Actuator

LETB Belt Actuator

Environment	Driven Mode	Specification	Reducer Mechanism	Motor Output (w)	Width(mm)	Repeatability(mm)	Belt Spec		Maximum Payload(kg)		Maximum Speed (mm/s) *1
							Belt Width(mm)	Lead(mm)	Horizontal	Vertical	
Standard	Timing Belt	LETB10	Yes	100W	102	±0.04	15	32	10		1600
		LETB14M		200W	135		22	40	25		2000
		LETB17M		400W	170		30	40	45		2000
		LETB22M		750W	220		50	40	85		2000

Stroke(mm) & Maximum Speed(mm/s)																													Speed
Stroke	50	300	450	600	800	900	1050	1200	1350	1500	1650	1800	1950	2100	2150	2300	2550	2600	2750	3050	3150	3300	3500	3600	3750	3900	4050		
							1600																						

LETB10 Single axis/1-axis

Belt Drive

Maximum Stroke	Maximum Speed	Motor Output	Ball Wide	LinearGuide
2550mm	1600mm/s	100W	15mm	20×18-1支

Model naming method

LETB10 - L32 - 100 - L - M10 - C4 - 0001

Model

Stroke

50-3050mm

Characteristic pattern

Ball Type

L	Clean belt
X	Rubber belt

Ball Screw Lead

32	32mm

Motor Position

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

Motor Brand

M	Mitsubishi	10	100W
P	Panasonic	20	-
Y	yaskawa	40	-
T	delta	75	-

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

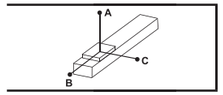
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Product parameter

Position repetition accuracy (mm)		±0.04
Lead (mm)		32
Max. speed(mm/s)		1600
Max. oad(KG)	Max. horizontal load(KG)	10
	Max. vertical load(KG)	
Stationary thrust (N)		61
Standard stroke (mm)		50-2550mm/50mm Pitch
AC servo motor capacity(W)		100
Ball Screw (mm)		15
HighRigidityLinearGuide (mm)		W20×H18
Origin inductor	Plug-in	EE-S×672(NPN)

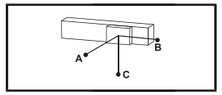
Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang



(Unit : mm)

Horizontal Installation	A	B	C
5kg	495	152	128
8kg	301	91	77
10kg	236	71	60



(Unit : mm)

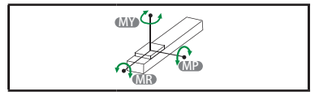
Wall Installation	A	B	C
4kg	162	192	625
7kg	89	106	347
10kg	60	71	236

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment



(Unit : mm)

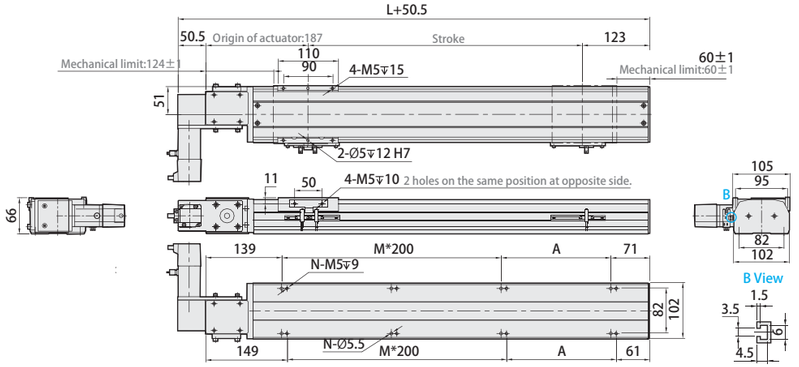
MY	110
MP	110
MR	120

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	DriverModel
Mitsubishi	M	No Brake (Horizontal Type)	100	220	HG-KR13	MR-J4-10A
Panasonic	P	No Brake (Horizontal Type)	100	220	MSMD012G1U	MADHT1505
Delta	T	No Brake (Horizontal Type)	100	220	ECMA-C20401ES	ASD-B20121-B

BL Motor Left Side

Unit:mm

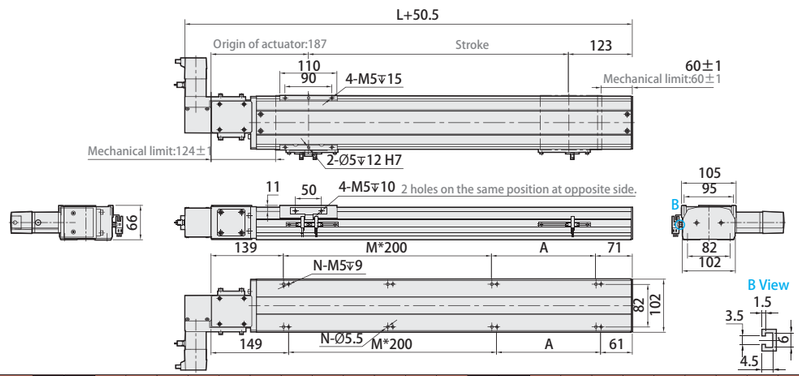


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
A	150	200	50	100	150	200	50	100	150	200	50	100	150	200	50	100	150	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	6.37	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

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	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
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	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72	21.14	21.56	21.98	22.4	22.82	23.24	23.66	24.08	24.5	24.92	25.34	25.76	26.18	26.6	27.02	27.44

BR Motor Right Side

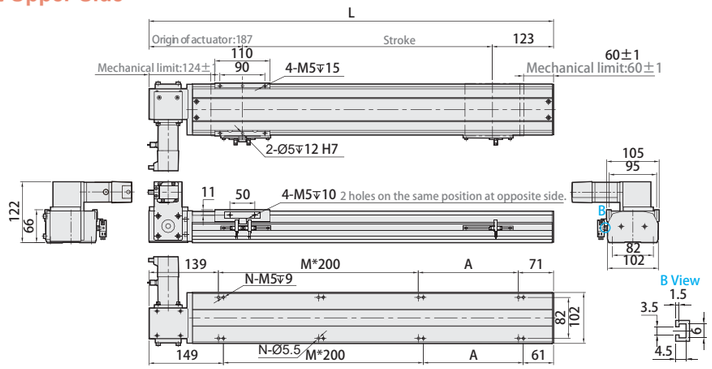
Unit:mm



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
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
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	6.37	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

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	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
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	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72	21.14	21.56	21.98	22.4	22.82	23.24	23.66	24.08	24.5	24.92	25.34	25.76	26.18	26.6	27.02	27.44

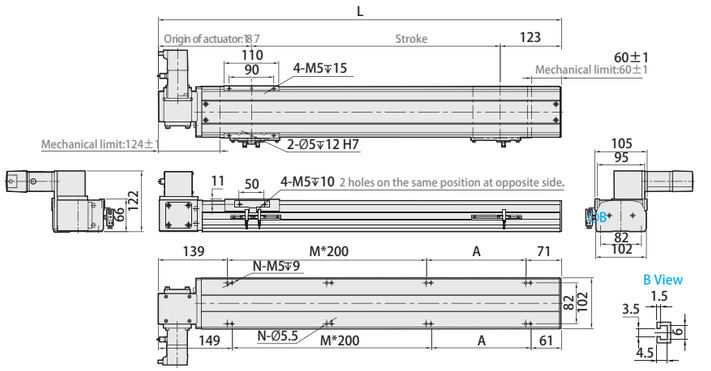
LU Motor Left Upper Side



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
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
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	6.37	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

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	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
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	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72	21.14	21.56	21.98	22.4	22.82	23.24	23.66	24.08	24.5	24.92	25.34	25.76	26.18	26.6	27.02	27.44

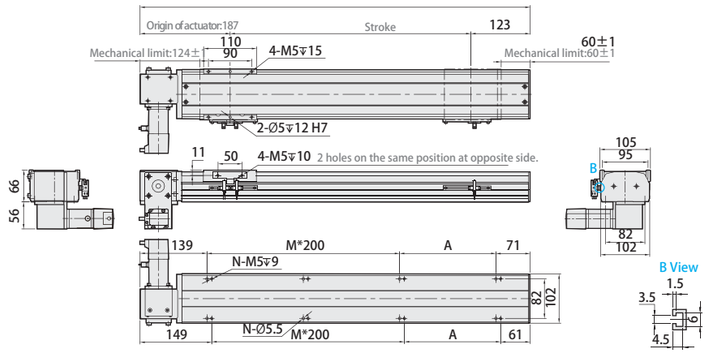
RU Motor Right Upper Side



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
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
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	6.37	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

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	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
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	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72	21.14	21.56	21.98	22.4	22.82	23.24	23.66	24.08	24.5	24.92	25.34	25.76	26.18	26.6	27.02	27.44

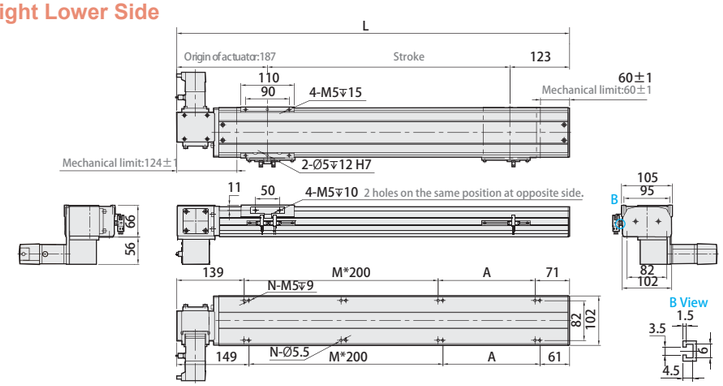
LD Motor Left Lower Side



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
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
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	6.37	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

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	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
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	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72	21.14	21.56	21.98	22.4	22.82	23.24	23.66	24.08	24.5	24.92	25.34	25.76	26.18	26.6	27.02	27.44

RD Motor Right Lower Side



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
L	360	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610
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	6.37	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

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	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360	2410	2460	2510	2560	2610	2660	2710	2760	2810	2860
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	17.36	17.78	18.2	18.62	19.04	19.46	19.88	20.3	20.72	21.14	21.56	21.98	22.4	22.82	23.24	23.66	24.08	24.5	24.92	25.34	25.76	26.18	26.6	27.02	27.44

MEMO

LETB14M Single axis/1-axis

Belt Drive

Maximum Stroke 3050mm | Maximum Speed 2000mm/s | Motor Output 200W | Ball Wide 22mm | LinearGuide 15×12.5-2支

Model naming method

LETB14M - L40 - 100 - L - M20 - C4 - 0001

Model

Stroke: 50-3050mm

Characteristic pattern

Ball Type

L	Clean belt

Ball Screw Lead

40	40mm

Motor Position

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

Motor Brand

M	Mitsubishi	10	-
P	Panasonic	20	200W
Y	yaskawa	40	-
T	delta	75	-

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

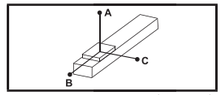
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Product parameter

Position repetition accuracy (mm)		±0.04
Lead (mm)		40
Max. speed(mm/s)		2000
Max. oad(KG)	Max. horizontal load(KG)	25
	Max. vertical load(KG)	
Stationary thrust (N)		100
Standard stroke (mm)		50-3050mm/50mm Pitch
AC servo motor capacity(W)		200
Ball Screw (mm)		22
HighRigidityLinearGuide (mm)		W15×H12.5
Origin inductor	Plug-in	EE-S×672(NPN)

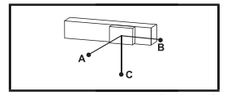
Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang



(Unit : mm)

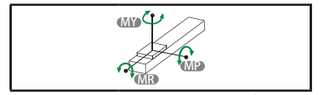
Horizontal Installation	A	B	C
10kg	1794	688	538
20kg	858	324	253
25kg	670	251	197



(Unit : mm)

Wall Installation	A	B	C
15kg	348	446	1170
18kg	285	365	961
25kg	197	251	670

Static Loading Moment



(Unit : mm)

MY	551
MP	552
MR	485

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

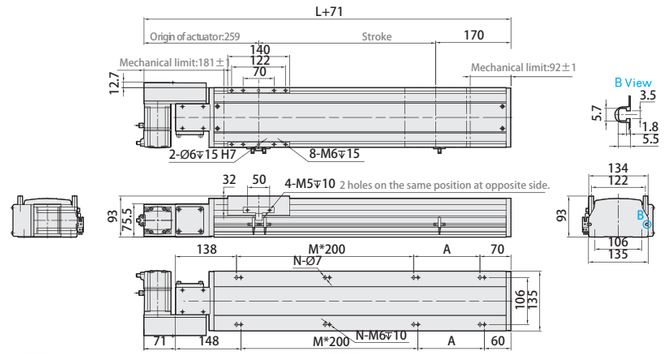
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	DriverModel
Mitsubishi	M	No Brake (Horizontal Type)	200	220	HG-KR23	MR-J4-20A
Panasonic	P	No Brake (Horizontal Type)	200	220	MHMD022G1U	MADHT1507
Delta	T	No Brake (Horizontal Type)	200	220	ECMA-C20602ES	ASD-B20221-B

BL Motor Left Side

Unit:mm

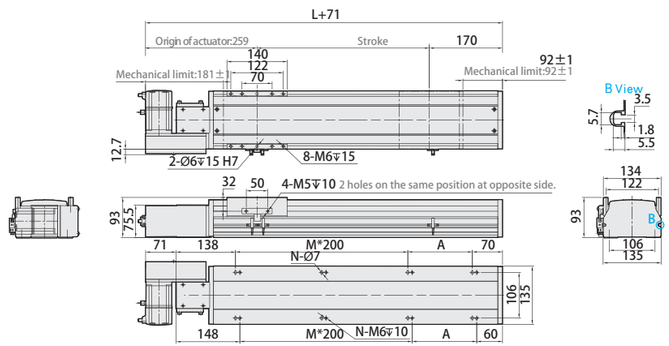


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908
A	200	50	100	150	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
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
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
KG	8.2	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	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9

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	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
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	50	100	150	200
M	8	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
N	20	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
KG	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	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9

Motor Right Side

Unit:mm

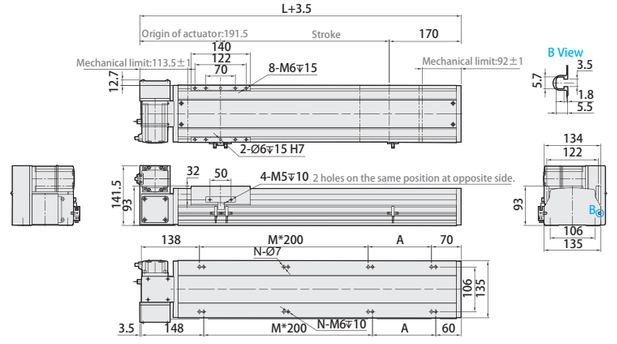


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908
A	200	50	100	150	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
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
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
KG	8.2	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	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9

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	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
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	50	100	150	200
M	8	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
N	20	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
KG	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	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9

LU Motor Left Upper Side

Unit:mm

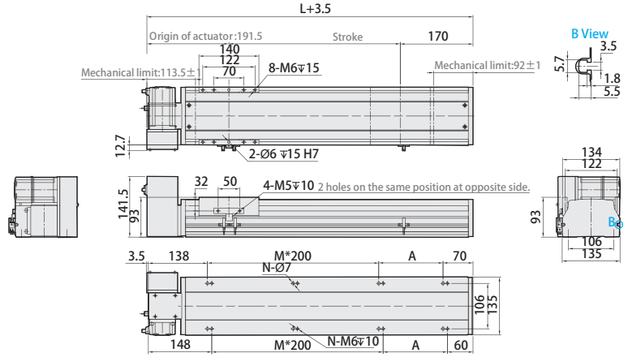


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908
A	200	50	100	150	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
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
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
KG	8.2	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	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9

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	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
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	50	100	150	200
M	8	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
N	20	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
KG	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	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9

RU Motor Right Upper Side

Unit:mm

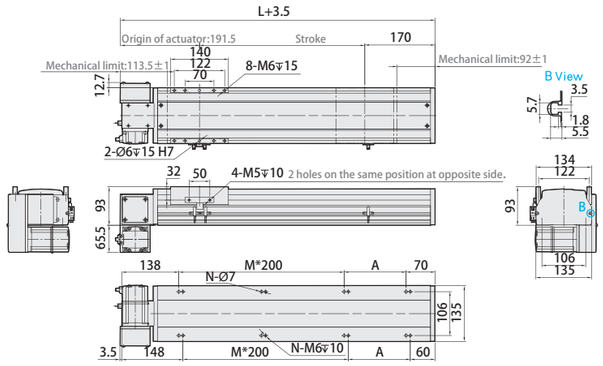


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908
A	200	50	100	150	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
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
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
KG	8.2	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	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9

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	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
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	50	100	150	200
M	8	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
N	20	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
KG	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	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9

LD Motor Left Lower Side

Unit:mm

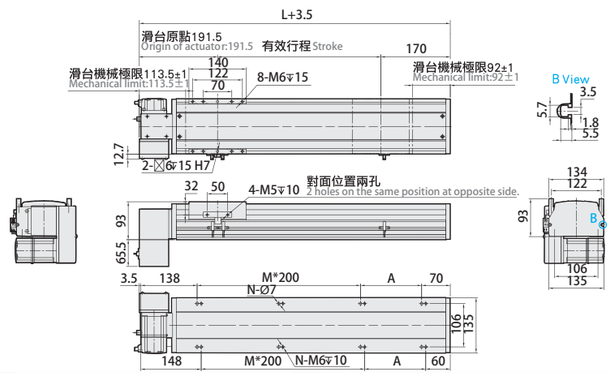


有效行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	408	458	508	558	608	658	708	758	808	858	908	958	1008	1058	1108	1158	1208	1258	1308	1358	1408	1458	1508	1558	1608	1658	1708	1758	1808	1858	1908
A	200	50	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
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
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
KG	8.2	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	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9

有效行程 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	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
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	50	100	150	200
M	8	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
N	20	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
KG	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	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9

RD Motor Right Lower Side

Unit:mm



有效行程 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	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
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
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
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
KG	8.2	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	19.7	20.3	20.9	21.5	22.1	22.7	23.3	23.9

有效行程 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	1958	2008	2058	2108	2158	2208	2258	2308	2358	2408	2458	2508	2558	2608	2658	2708	2758	2808	2858	2908	2958	3008	3058	3108	3158	3208	3258	3308	3358	3408
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	50	100	150	200
M	8	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
N	20	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
KG	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	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9

LETB17M Single axis/1-axis

Belt Drive

Maximum Stroke	3050mm	Maximum Speed	2000mm/s	Motor Output	400W	Ball Wide	30mm	LinearGuide	20×15-2支

Model naming method

LETB17M - L40 - 50 - L - M40 - C4 - 0001

Model

Ball Type

L	Clean belt

Ball Screw Lead

40	40mm

Motor Position

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

Stroke

50-3550mm

Motor Brand

M	Mitsubishi	10	-
P	Panasonic	20	-
Y	yaskawa	40	400W
T	delta	75	-

Home Sensor

Out Side	
C	Motor Side
D	Opposite Motor Side
No Sensor	
E	No Sensor

Limit Sensor

Out Side	
3	1 Pc
4	2 Pc
No Sensor	
5	No Sensor

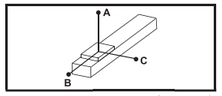
Characteristic pattern

Product parameter

Position repetition accuracy (mm)		±0.04
Lead (mm)		40
Max. speed(mm/s)		2000
Max. oad(KG)	Max. horizontal load(KG)	45
	Max. vertical load(KG)	
Stationary thrust (N)		204
Standard stroke (mm)		50-3050mm/50mm Pitch
AC servo motor capacity(W)		400
Ball Screw (mm)		30
HighRigidityLinearGuide (mm)		W20×H15
Origin inductor	Plug-in	EE-S×672(NPN)

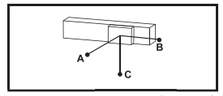
Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang



(Unit : mm)

Horizontal Installation	A	B	C
10kg	2942	1133	1033
20kg	1430	547	498
30kg	926	350	320
45kg	588	219	201



(Unit : mm)

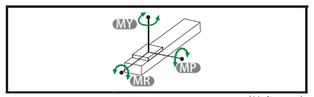
Wall Installation	A	B	C
15kg	676	742	1933
25kg	390	428	1127
35kg	269	294	781
45kg	201	219	588

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Static Loading Moment



(Unit : mm)

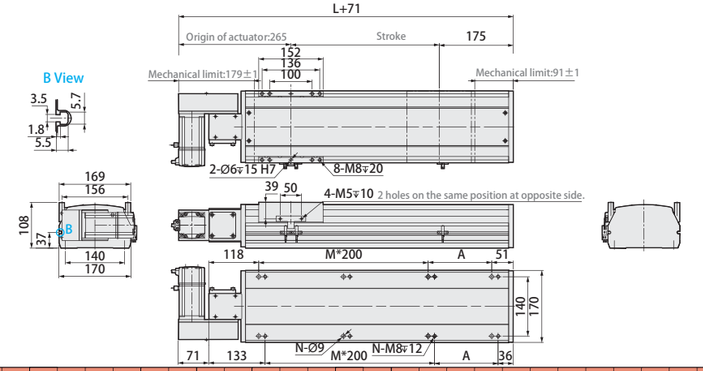
MY	1032
MP	1034
MR	908

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	DriverModel
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

BL Motor Left Side

Unit:mm

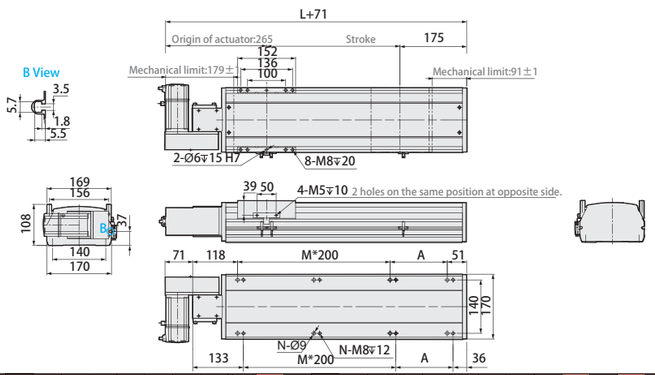


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	1819	1869	1919
A	50	100	150	200	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	16	16	16	16	18	18	18	18	20	20	20
KG	10.2	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	32.6	33.4	34.2	35	35.8

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	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119	3169	3219	3269	3319	3369	3419
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	30	30	30	30	32	32	32	32	34	34	34	34	36
KG	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	52.6	53.4	54.2	55	55.8	56.6	57.4	58.2	59	59.8

BR Motor Right Side

Unit:mm

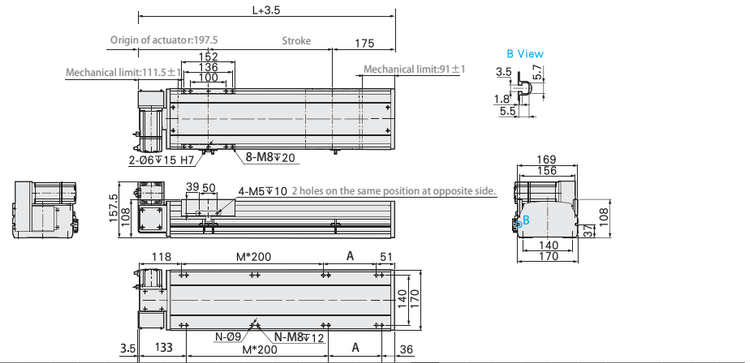


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	1819	1869	1919
A	50	100	150	200	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	16	16	16	16	18	18	18	18	20	20	20
KG	10.2	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	32.6	33.4	34.2	35	35.8

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	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119	3169	3219	3269	3319	3369	3419
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	30	30	30	30	32	32	32	32	34	34	34	34	36
KG	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	52.6	53.4	54.2	55	55.8	56.6	57.4	58.2	59	59.8

LU Motor Left Upper Side

单位 Unit:mm

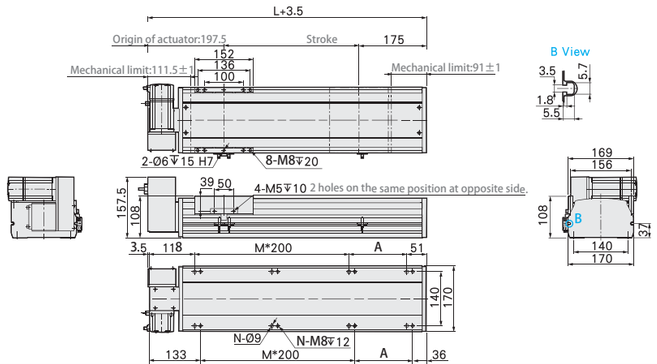


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	1819	1869	1919
A	50	100	150	200	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	16	16	16	16	18	18	18	18	20	20	20
KG	10.2	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	32.6	33.4	34.2	35	35.8

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	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119	3169	3219	3269	3319	3369	3419
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	30	30	30	30	32	32	32	32	34	34	34	34	36
KG	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	52.6	53.4	54.2	55	55.8	56.6	57.4	58.2	59	59.8

RU Motor Right Upper Side

Unit:mm

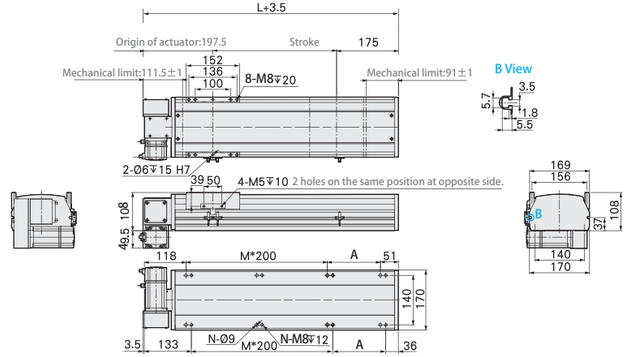


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	1819	1869	1919
A	50	100	150	200	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	16	16	16	16	18	18	18	18	20	20	20
KG	10.2	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	32.6	33.4	34.2	35	35.8

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	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119	3169	3219	3269	3319	3369	3419
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	30	30	30	30	32	32	32	32	34	34	34	34	36
KG	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	52.6	53.4	54.2	55	55.8	56.6	57.4	58.2	59	59.8

LD Motor Left Lower Side

Unit:mm

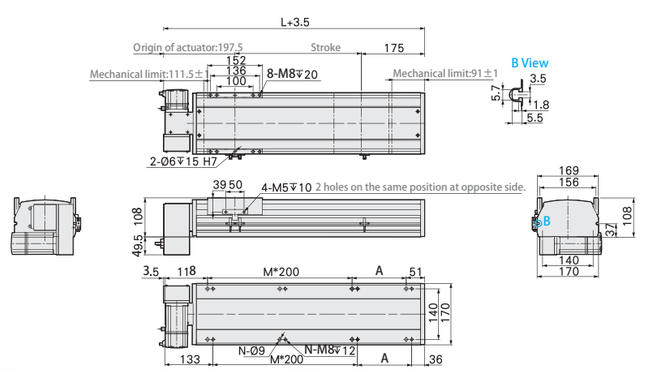


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	1819	1869	1919
A	50	100	150	200	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	16	16	16	16	18	18	18	18	20	20	20
KG	10.2	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	32.6	33.4	34.2	35	35.8

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	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119	3169	3219	3269	3319	3369	3419
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	30	30	30	30	32	32	32	32	34	34	34	34	36
KG	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	52.6	53.4	54.2	55	55.8	56.6	57.4	58.2	59	59.8

RD Motor Right Lower Side

Unit:mm

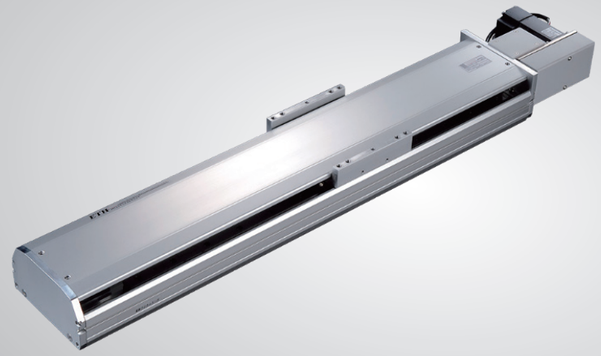


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	419	469	519	569	619	669	719	769	819	869	919	969	1019	1069	1119	1169	1219	1269	1319	1369	1419	1469	1519	1569	1619	1669	1719	1769	1819	1869	1919
A	50	100	150	200	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	16	16	16	16	18	18	18	18	20	20	20
KG	10.2	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	32.6	33.4	34.2	35	35.8

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	1969	2019	2069	2119	2169	2219	2269	2319	2369	2419	2469	2519	2569	2619	2669	2719	2769	2819	2869	2919	2969	3019	3069	3119	3169	3219	3269	3319	3369	3419
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	30	30	30	30	32	32	32	32	34	34	34	34	36
KG	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	52.6	53.4	54.2	55	55.8	56.6	57.4	58.2	59	59.8

LETB22M Single axis/1-axis

Belt Drive



Maximum Stroke	Maximum Speed	Motor Output	Ball Wide	LinearGuide
3500mm	2000mm/s	750W	50mm	23×18-2支

Model naming method

LETB22M - L40 - 100 - L - M75 - C4 - 0001

Model: LETB22M

Stroke: 50-3500mm

Characteristic pattern: 0001

Ball Type

L	Clean belt

Ball Screw Lead

40	40mm

Motor Position

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

Motor Brand

M	Mitsubishi	10	-
P	Panasonic	20	-
Y	yaskawa	40	-
T	delta	75	750W

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

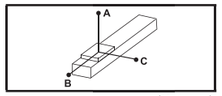
	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Product parameter

Position repetition accuracy (mm)		±0.04
Lead (mm)		40
Max. speed(mm/s)		2000
Max. oad(KG)	Max. horizontal load(KG)	85
	Max. vertical load(KG)	
Stationary thrust (N)		367
Standard stroke (mm)		50-2550mm/50mm Pitch
AC servo motor capacity(W)		750
Ball Screw (mm)		50
HighRigidityLinearGuide (mm)		W20×H18
Origin inductor	Plug-in	EE-S×672(NPN)

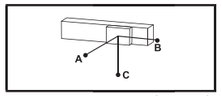
Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang



(Unit : mm)

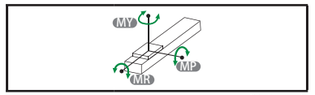
Horizontal Installation	A	B	C
45kg	1588	600	349
65kg	1052	328	285
85kg	768	281	206



(Unit : mm)

Wall Installation	A	B	C
40kg	500	685	1805
60kg	315	430	1152
85kg	206	281	768

Static Loading Moment



(Unit : mm)

MY	2052
MP	2052
MR	1810

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

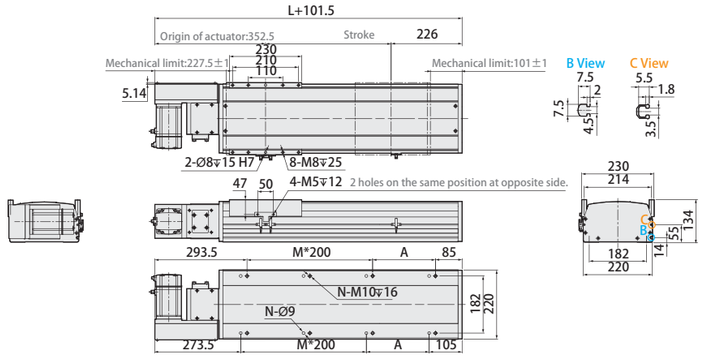
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	DriverModel
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

BL Motor Left Side

Unit:mm

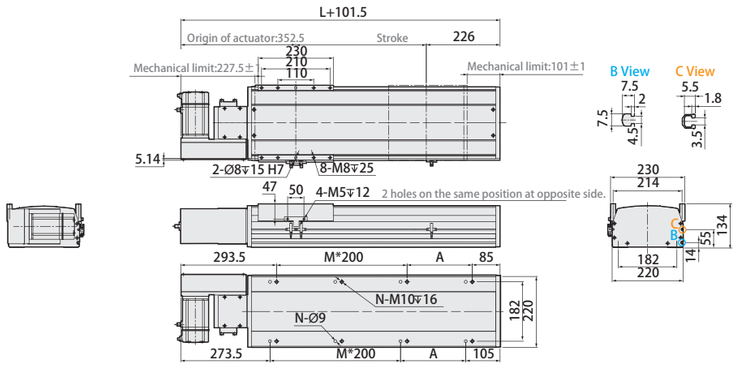


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	150	200	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	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	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

BR Motor Right Side

Unit:mm

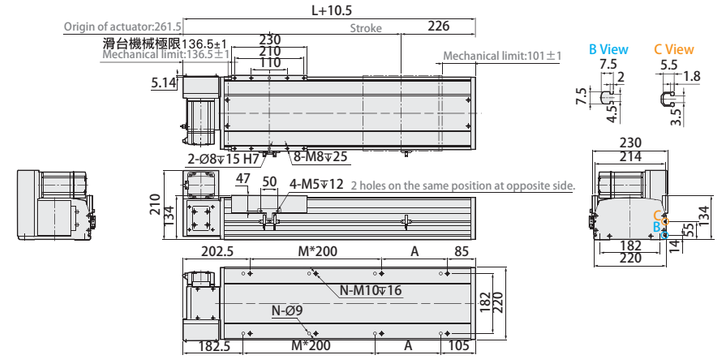


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	150	200	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	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	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

LU Motor Left Upper Side

Unit:mm

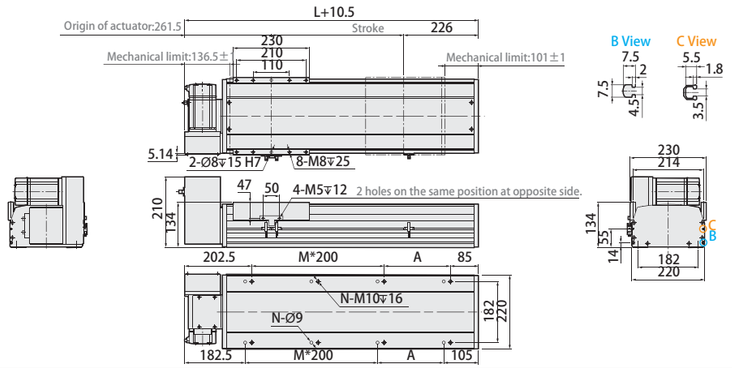


有效行程 Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	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	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

有效行程 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	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

RU Motor Right Upper Side

Unit:mm

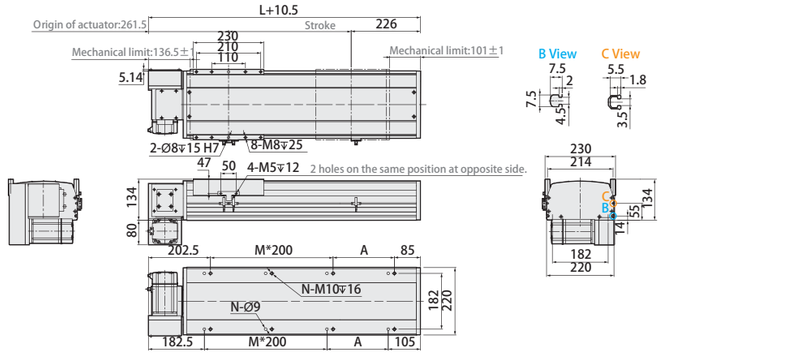


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	150	200	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	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	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 Left Lower Side

Unit:mm

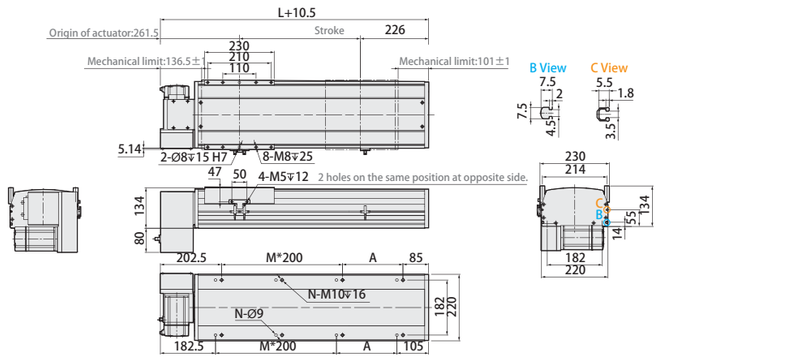


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	527	577	627	677	727	777	827	877	927	977	1027	1077	1127	1177	1227	1277	1327	1377	1427	1477	1527	1577	1627	1677	1727	1777	1827	1877	1927	1977	2027
A	50	100	150	200	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	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	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 Right Lower 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	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	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	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

Sliding Table Series

LECB Series

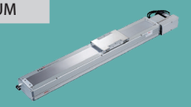
Clean Room/Belt Type

CONTENTS

Clean Room/Belt Type

MEDIUM

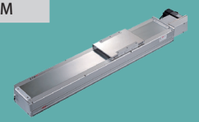
LECB14



Width 135mm
Max. stroke 3050mm
Max. payload 25kg

MEDIUM

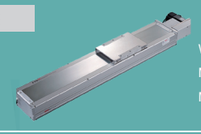
LECB17



Width 170mm
Max. stroke 4050mm
Max. payload 45kg

LARGE

LECB22



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

Spec Index of Electric Actuator

LECB Clean Room Belt Actuator

Environment	Driven Mode	Specification	Reducer Mechanism	Motor Output (w)	Width(mm)	Repeatability(mm)	Belt Spec		Maximum Payload(kg)		Maximum Speed *1 (mm/s)
							Belt Width(mm)	Lead(mm)	Horizontal	Vertical	
Clean Room	Timing Belt	LECB10	Yes	100W	102		15	32	10		1600
		LECB14		200W	135		22	40	25		2000
		LECB17		400W	170		30	40	45		2000
		LECB22		750W	220		50	40	85		2000

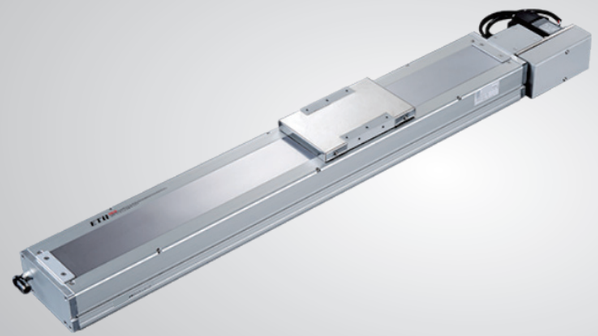
Stroke(mm) & Maximum Speed(mm/s) Speed																														
Stroke	50	300	450	600	800	900	1050	1200	1350	1500	1650	1800	1950	2100	2150	2300	2550	2600	2750	3050	3150	3300	3500	3600	3750	3900	4050			
	1600																													
	2000																													
	2000																													
	2000																													

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

The highest speed is based on the maximum stepping motor' s rpm (500).

LECB14 Single axis/1-axis

Clean Room Belt Drive



Maximum Stroke 3050mm | Maximum Speed 2000mm/s | Motor Output 200W | Ball Wide 22mm | LinearGuide 15×12.5-2支

Model naming method

LECB14 - L40 - 50 - L - M20 - C4 - 0001

Model

Stroke

50-3050mm

Characteristic pattern

Motor Position

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

Motor Brand

M	Mitsubishi	10	-
P	Panasonic	20	200W
Y	yaskawa	40	-
T	delta	75	-

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

Ball Type

L	Clean belt

Ball Screw Lead

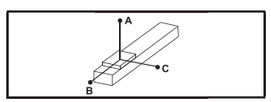
40	40mm

Product parameter

Position repetition accuracy (mm)		±0.04
Lead (mm)		40
Max. speed(mm/s)		2000
Max. oad(KG)	Max. horizontal load(KG)	25
	Max. vertical load(KG)	
Stationary thrust (N)		100
Standard stroke (mm)		50-3050mm/50mm Pitch
AC servo motor capacity(W)		200
Ball Screw (mm)		22
HighRigidityLinearGuide (mm)		W15×H12.5
Origin inductor	Plug-in	EE-S×672(NPN)

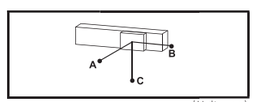
Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang



(Unit : mm)

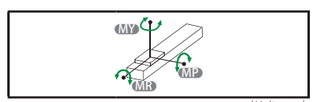
Wall Installation	A	B	C
10kg	1794	688	538
20kg	858	324	253
25kg	670	251	197



(Unit : mm)

Wall Installation	A	B	C
15kg	348	446	1170
18kg	285	365	961
25kg	197	251	670

Static Loading Moment



(Unit : mm)

MY	551
MP	552
MR	485

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

The steel stripe cover may deformed when the actuator length is over 1000mm.
Horizontal application is recommend.

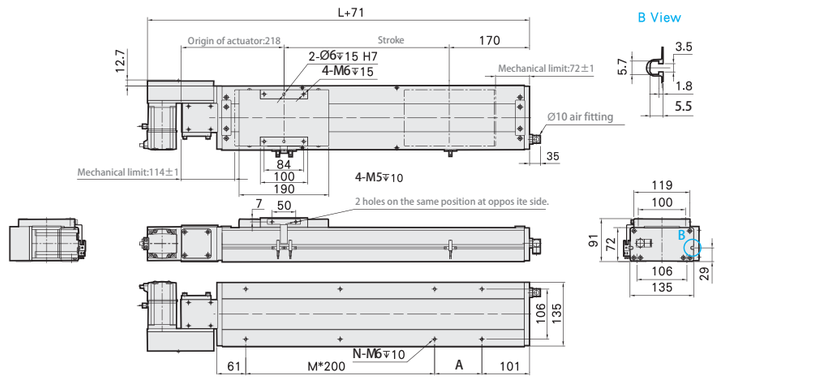
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	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	MHMD022G1U	MADHT1507
Delta	T	No Brake (Horizontal Type)	220	220	ECMA-C20602ES	ASD-B20221-B

BL Motor Left Side

Unit:mm

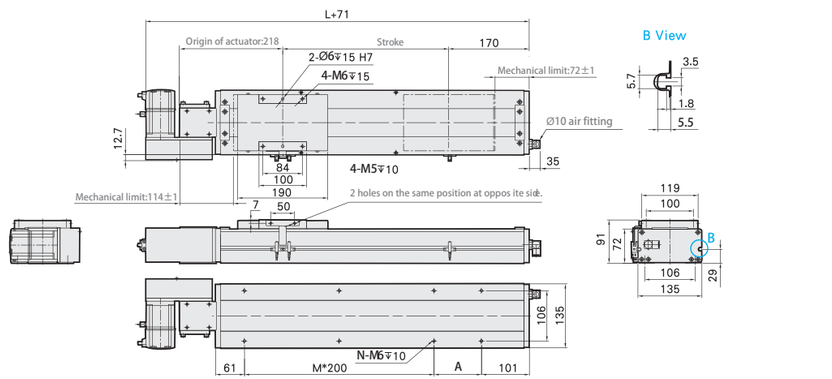


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938
A	200	50	100	150	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
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
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
KG	11.2	11.6	12	12.5	13	13.5	14	14.4	15	15.4	16	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9

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	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
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	50	100	150	200
M	8	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
N	20	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
KG	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9	42.5	43.1	43.7	44.3	44.9

BR Motor Right Side

Unit:mm

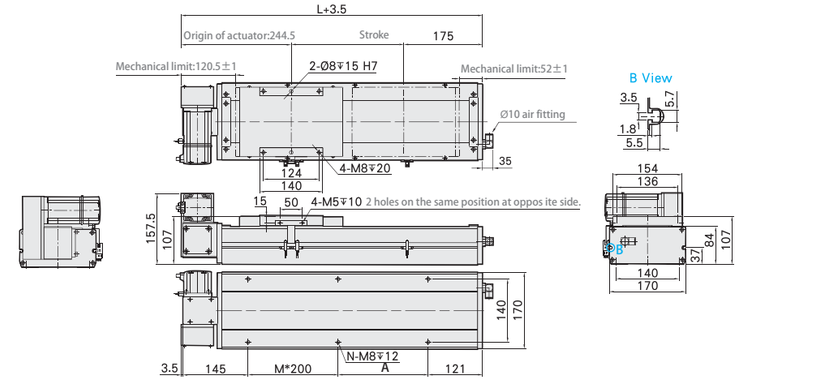


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938
A	200	50	100	150	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
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
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
KG	11.2	11.6	12	12.5	13	13.5	14	14.4	15	15.4	16	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9

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	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
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	50	100	150	200
M	8	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
N	20	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
KG	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9	42.5	43.1	43.7	44.3	44.9

LU Motor Left Upper Side

Unit:mm

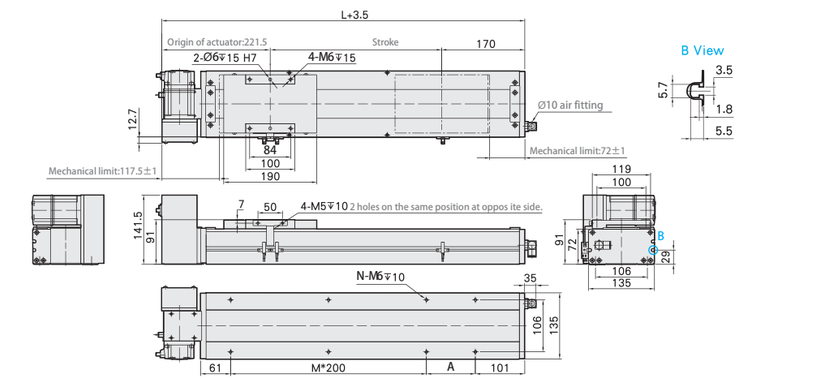


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938
A	200	50	100	150	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
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
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
KG	11.2	11.6	12	12.5	13	13.5	14	14.4	15	15.4	16	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9

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	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
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	50	100	150	200
M	8	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
N	20	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
KG	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9	42.5	43.1	43.7	44.3	44.9

RU Motor Right Upper Side

Unit:mm

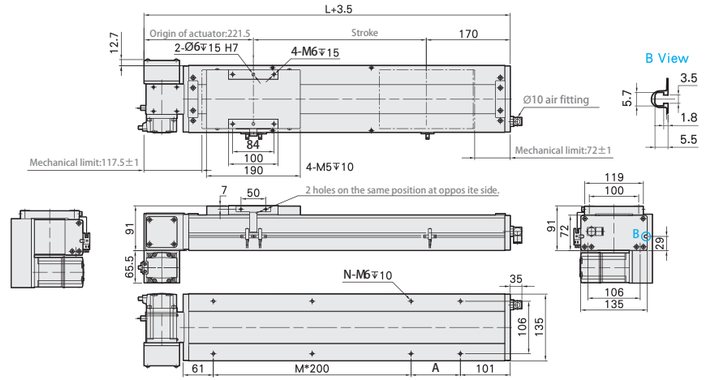


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938
A	200	50	100	150	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
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
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
KG	11.2	11.6	12	12.5	13	13.5	14	14.4	15	15.4	16	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9

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	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
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	50	100	150	200
M	8	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
N	20	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
KG	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9	42.5	43.1	43.7	44.3	44.9

LD Motor Left Lower Side

Unit:mm

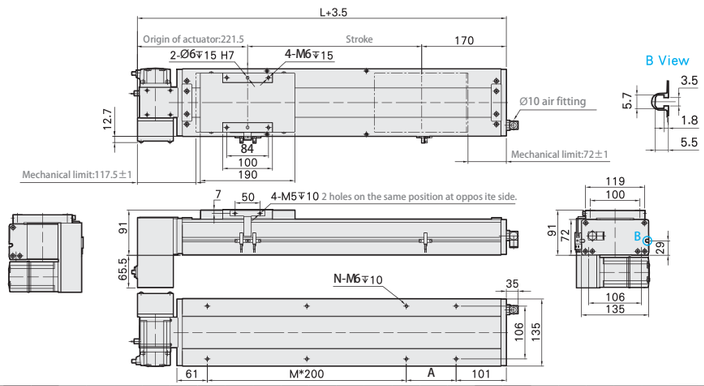


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938
A	200	50	100	150	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
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
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
KG	11.2	11.6	12	12.5	13	13.5	14	14.4	15	15.4	16	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9

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	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
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	50	100	150	200
M	8	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
N	20	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
KG	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9	42.5	43.1	43.7	44.3	44.9

RD Motor Right Lower Side

Unit:mm



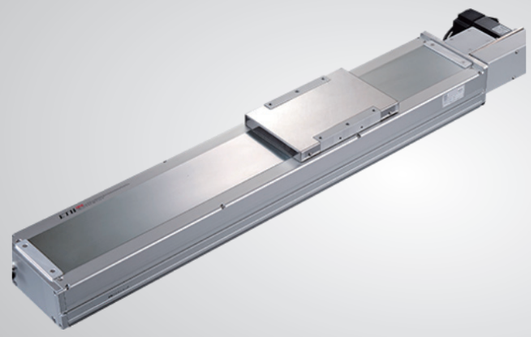
Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	438	488	538	588	638	688	738	788	838	888	938	988	1038	1088	1138	1188	1238	1288	1338	1388	1438	1488	1538	1588	1638	1688	1738	1788	1838	1888	1938
A	200	50	100	150	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
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
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
KG	11.2	11.6	12	12.5	13	13.5	14	14.4	15	15.4	16	16.4	16.9	17.4	17.9	18.4	18.9	19.4	19.9	20.3	20.9	21.5	22.1	22.7	23.3	23.9	24.5	25.1	25.7	26.3	26.9

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	1988	2038	2088	2138	2188	2238	2288	2338	2388	2438	2488	2538	2588	2638	2688	2738	2788	2838	2888	2938	2988	3038	3088	3138	3188	3238	3288	3338	3388	3438
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	50	100	150	200
M	8	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
N	20	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
KG	27.5	28.1	28.7	29.3	29.9	30.5	31.1	31.7	32.3	32.9	33.5	34.1	34.7	35.3	35.9	36.5	37.1	37.7	38.3	38.9	39.5	40.1	40.7	41.3	41.9	42.5	43.1	43.7	44.3	44.9

MEMO

LECB17 Single-axis

Clean Room Belt Drive



Maximum Stroke	Maximum Speed	Motor Output	Ball Wide	LinearGuide
4050mm	2000mm/s	400W	30mm	20×15-2支

Model naming method

LECB17 - L40 - 50 - L - M40 - C4 - 0001

Model

Ball Type

L	Clean belt

Ball Screw Lead

40	40mm

Motor Position

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

Stroke

50-4050mm

Motor Brand

M	Mitsubishi	10	-
P	Panasonic	20	-
Y	yaskawa	40	400W
T	delta	75	-

Home Sensor

	Out Side
C	Motor Side
D	Opposite Motor Side
	No Sensor
E	No Sensor

Limit Sensor

	Out Side
3	1 Pc
4	2 Pc
	No Sensor
5	No Sensor

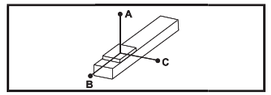
Characteristic pattern

产品参数 Product parameter

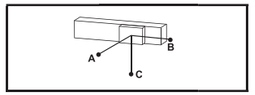
Position repetition accuracy (mm)		±0.04
Lead (mm)		40
Max. speed(mm/s)		2000
Max. oad(KG)	Max. horizontal load(KG)	45
	Max. vertical load(KG)	
Stationary thrust (N)		204
Standard stroke (mm)		50-4050mm/50mm Pitch
AC servo motor capacity(W)		400
Ball Screw (mm)		30
HighRigidityLinearGuide (mm)		W20×H15
Origin inductor	Plug-in	EE-S×672(NPN)

Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang

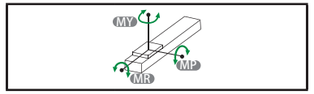


Wall Installation	A	B	C
10kg	2942	1133	1033
20kg	1430	547	498
30kg	926	350	320
45kg	588	219	201



Wall Installation	A	B	C
15kg	676	742	1933
25kg	390	428	1127
35kg	269	294	781
45kg	201	219	588

Static Loading Moment



(Unit : N.m)

MY	1032
MP	1034
MR	908

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

The steel stripe cover may deformed when the actuator length is over 1000mm.
Horizontal application is recommend.

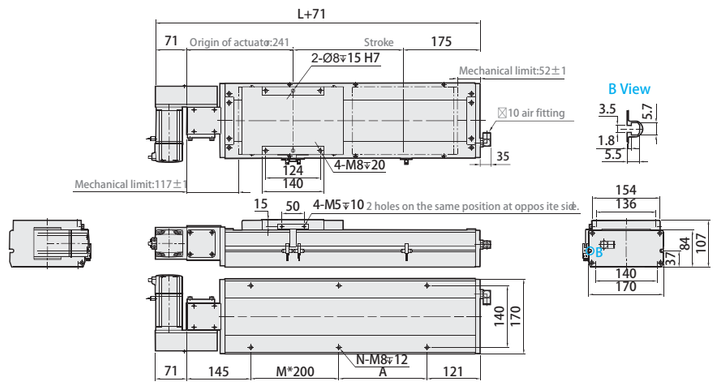
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	Motor Model	DriverModel
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

BL Motor Left Side

Unit:mm

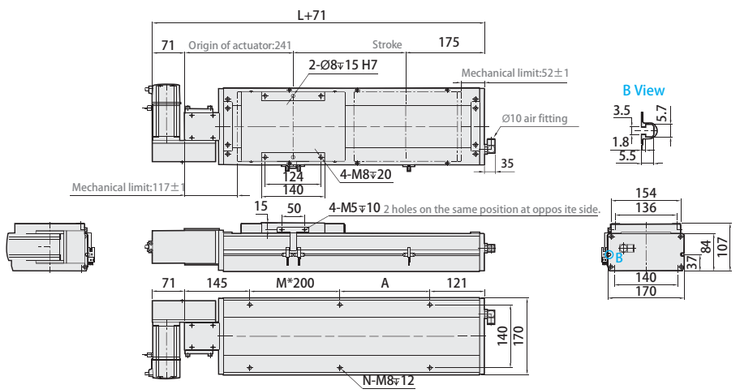


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	466	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966
A	200	50	100	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
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
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
KG	13.2	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

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	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	3216	3266	3316	3366	3416	3466
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	50	100	150	200
M	8	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
N	20	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
KG	39.6	40.4	41.2	42	42.8	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

BR Motor Right Side

Unit:mm

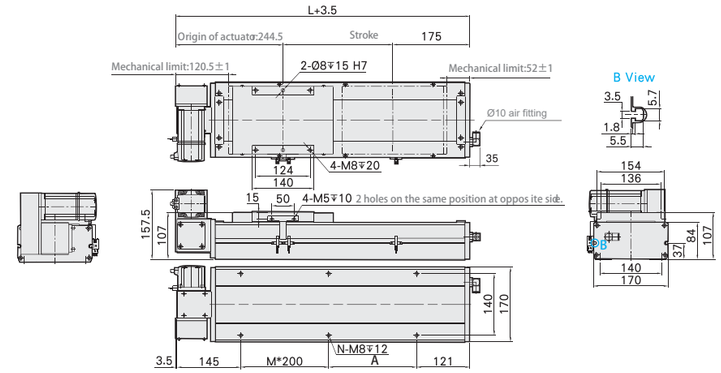


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	466	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966
A	200	50	100	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
M	4	4	4	4	4	6	6	6	6	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
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
KG	13.2	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

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	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	3216	3266	3316	3366	3416	3466
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	50	100	150	200
M	8	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
N	20	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
KG	39.6	40.4	41.2	42	42.8	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

LU Motor Left Upper Side

Unit:mm

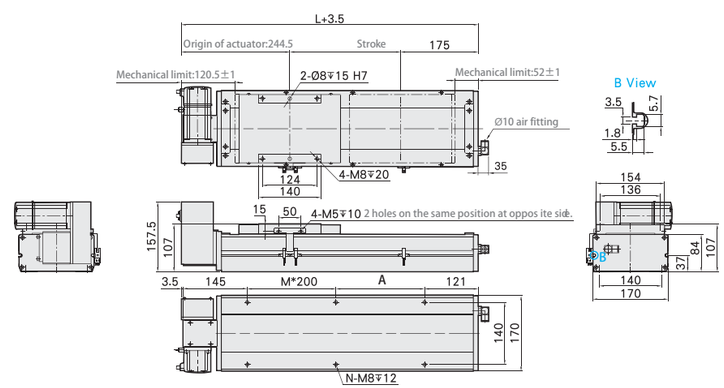


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	466	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966
A	200	50	100	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
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
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
KG	13.2	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

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	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	3216	3266	3316	3366	3416	3466
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	50	100	150	200
M	8	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
N	20	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
KG	39.6	40.4	41.2	42	42.8	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

RU Motor Right Upper Side

Unit:mm

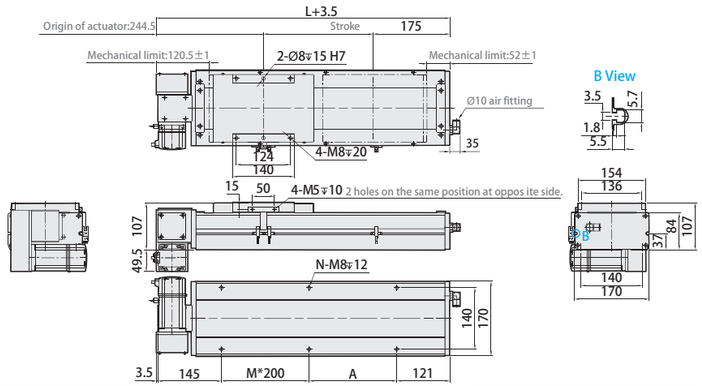


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	466	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966
A	200	50	100	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
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
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
KG	13.2	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

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	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	3216	3266	3316	3366	3416	3466
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	50	100	150	200
M	8	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
N	20	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
KG	39.6	40.4	41.2	42	42.8	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

LD Motor Left Lower Side

Unit:mm

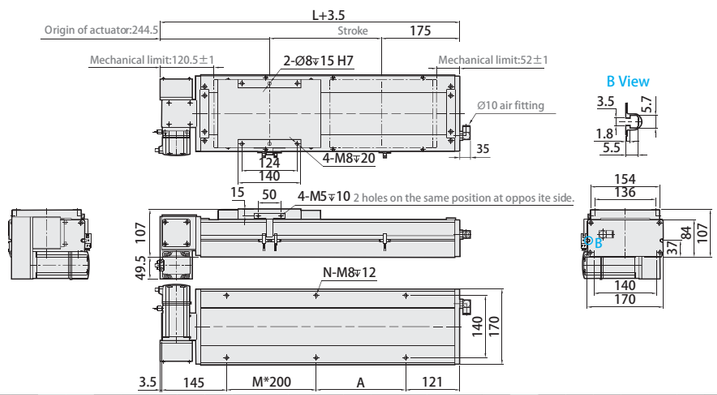


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	466	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966
A	200	50	100	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
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
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
KG	13.2	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

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	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	3216	3266	3316	3366	3416	3466
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	50	100	150	200
M	8	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
N	20	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
KG	39.6	40.4	41.2	42	42.8	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

RD Motor Right Lower Side

Unit:mm

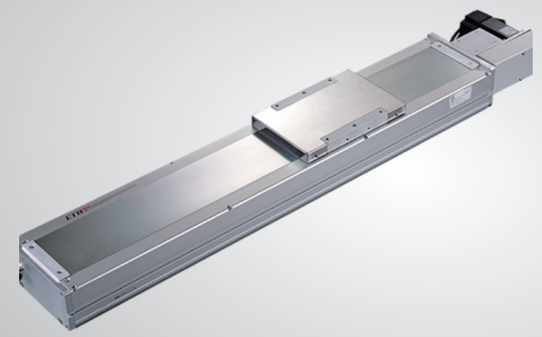


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550
L	466	516	566	616	666	716	766	816	866	916	966	1016	1066	1116	1166	1216	1266	1316	1366	1416	1466	1516	1566	1616	1666	1716	1766	1816	1866	1916	1966
A	200	50	100	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
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
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
KG	13.2	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

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	2016	2066	2116	2166	2216	2266	2316	2366	2416	2466	2516	2566	2616	2666	2716	2766	2816	2866	2916	2966	3016	3066	3116	3166	3216	3266	3316	3366	3416	3466
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	50	100	150	200
M	8	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
N	20	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
KG	39.6	40.4	41.2	42	42.8	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

LECB22 Single-axis

Clean Room Belt Drive



Maximum Stroke	3500mm	Maximum Speed	2000mm/s	Motor Output	750W	Ball Wide	50mm	LinearGuide	23×18-2支

Model naming method

LECB22 - L40 - 50 - L - M75 - C4 - 0001

Model

Ball Type

L	Clean belt

Ball Screw Lead

40	40mm

Stroke

50-3500mm

Motor Position

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

Motor Brand

M	Mitsubishi	10	-
P	Panasonic	20	-
Y	yaskawa	40	-
T	delta	75	750W

Home Sensor

Out Side	
C	Motor Side
D	Opposite Motor Side
No Sensor	
E	No Sensor

Limit Sensor

Out Side	
3	1 Pc
4	2 Pc
No Sensor	
5	No Sensor

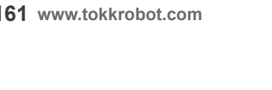
Characteristic pattern

Product parameter

Position repetition accuracy (mm)		±0.04
Lead (mm)		40
Max. speed(mm/s)		2000
Max. oad(KG)	Max. horizontal load(KG)	85
	Max. vertical load(KG)	
Stationary thrust (N)		367
Standard stroke (mm)		50-3500mm/50mm Pitch
AC servo motor capacity(W)		750
Ball Screw (mm)		50
HighRigidityLinearGuide (mm)		W23×H18
Origin inductor	Plug-in	EE-S×672(NPN)

Acceleration and deacceleration value is set 0.4 second.

Allowable Overhang



Wall Installation	A	B	C
45kg	1588	600	349
65kg	1052	328	285
85kg	768	281	206

Wall Installation	A	B	C
40kg	500	685	1805
60kg	315	430	1152
85kg	206	281	768

Static Loading Moment

(Unit : N.m)

MY	2052
MP	2052
MR	1810

The torque value in the chart indicate the center of gravity.

Operation life is 8,000km when the product is using under the specified conditions.

The steel stripe cover may deformed when the actuator length is over 1000mm.
Horizontal application is recommend.

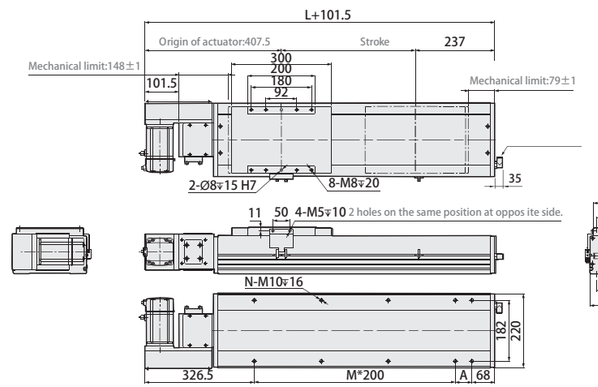
Data information is not for ceiling-mount inverse use.
Contact us for the details if you want to apply ceiling-mount inverse usage.

Suitable Motor Brand

Brand	Mark	Brake	Watt	AC-Voltage	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

BL Motor Left Side

Unit:mm

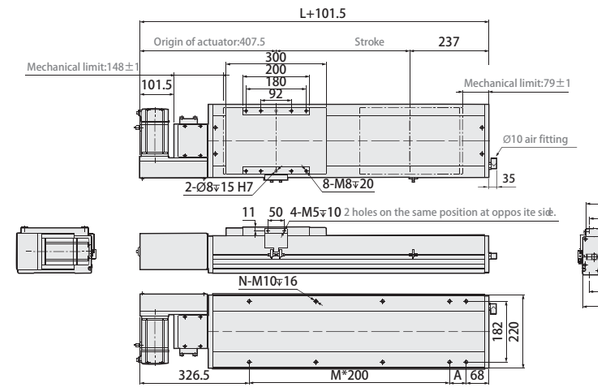


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	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	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

BR Motor Right Side

Unit:mm

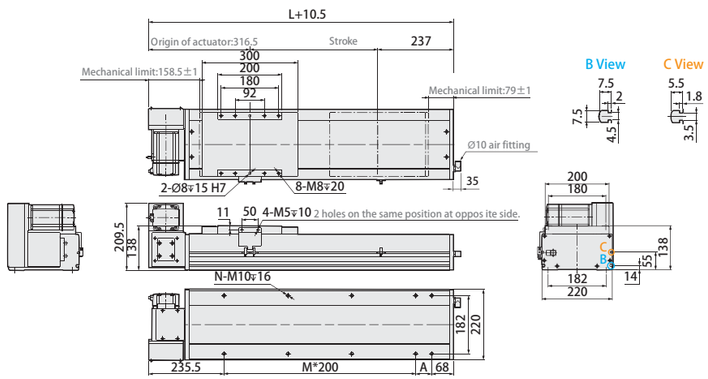


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	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	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

LU Motor Left Upper Side

Unit:mm

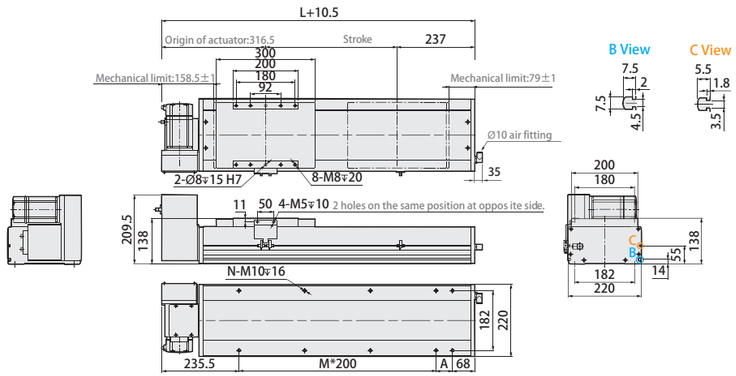


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	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	3	3	3	3	4	4	4	5	5	5	5	6	6	6	6	6	7	7	7	7	8	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	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 Right Upper Side

Unit:mm

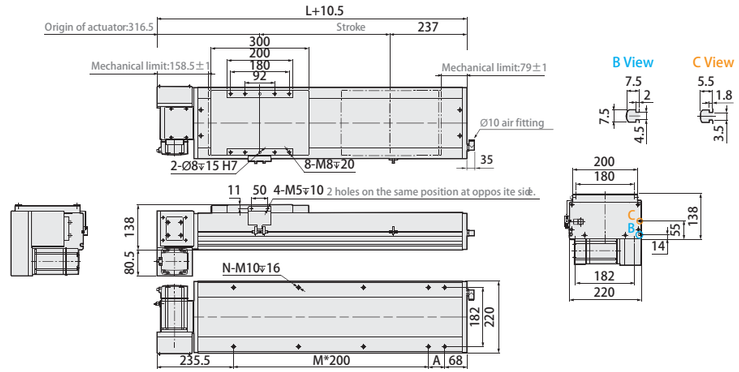


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	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	3	3	3	3	4	4	4	5	5	5	5	6	6	6	6	6	6	7	7	7	7	8	8	8	8	8	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	16	18	18	18	18	20	20	20	20	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	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

LD Motor Left Lower Side

Unit:mm

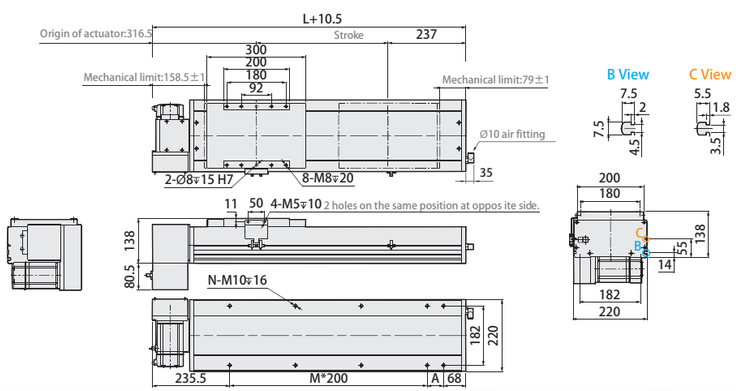


Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	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	3	3	3	3	4	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	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

RD Motor Right Lower Side

Unit:mm



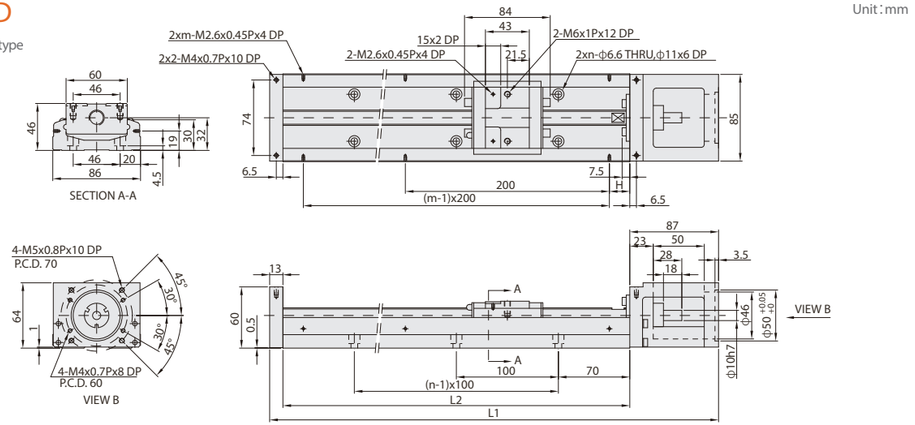
Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300	1350	1400	1450	1500	1550	1600	1650	1700
L	593	643	693	743	793	843	893	943	993	1043	1093	1143	1193	1243	1293	1343	1393	1443	1493	1543	1593	1643	1693	1743	1793	1843	1893	1943	1993	2043	2093	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	3	3	3	3	4	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	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

KK86D

Light load type

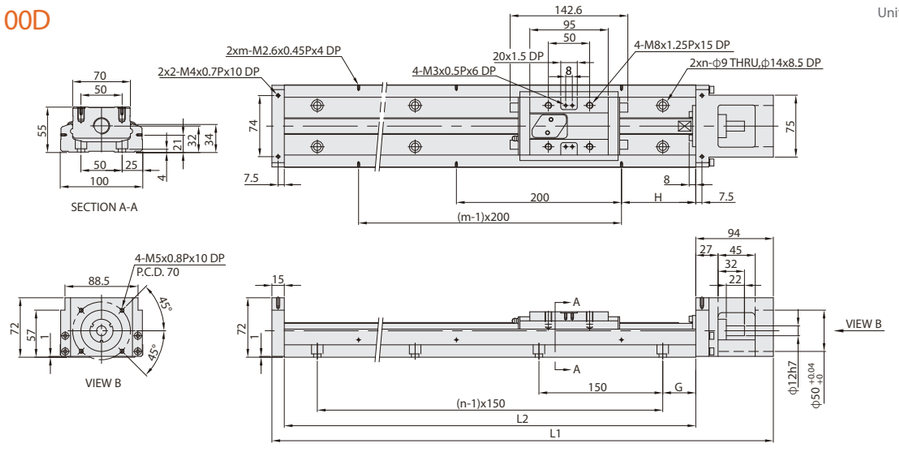
Unit：mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		H(mm)	n	m	Weight (kg)	
		S1 Slide	S2 Slide				S1 Slide	S2 Slide
340	440	248.5	172.5	70	3	2	5.4	5.9
440	540	348.5	272.5	70	4	3	6.6	7.1
540	640	448.5	372.5	70	5	3	7.7	8.2
640	740	548.5	472.5	20	6	4	8.9	9.4
740	840	648.5	572.5	70	7	4	10.1	10.6
940	1040	848.5	772.5	70	9	5	11.3	11.8

KK100D

Unit：mm

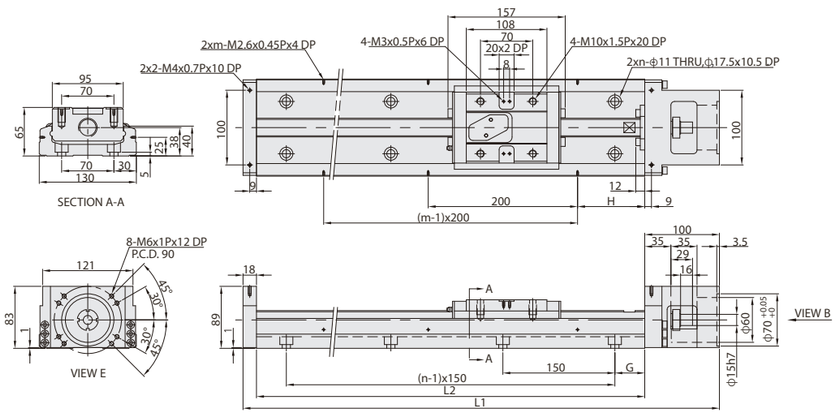


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1089	828	700	40	90	7	5	18.6	20.3
1080	1189	928	800	15	40	8	6	20.3	22
1180	1289	1028	900	65	90	8	6	22	23.7
1280	1389	1128	1000	40	40	9	7	23.6	25.3
1380	1489	1228	1100	15	90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

SINGLE-AXIS ROBOT KK TYPE | WITHOUT COVER

KK130D

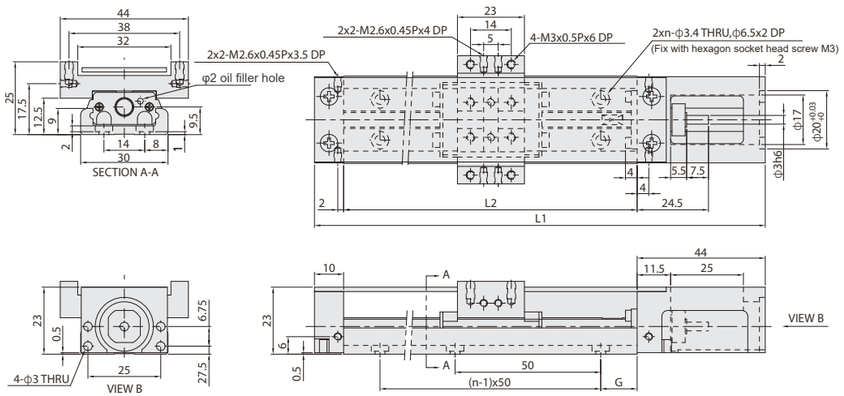
Unit：mm



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

KK30D

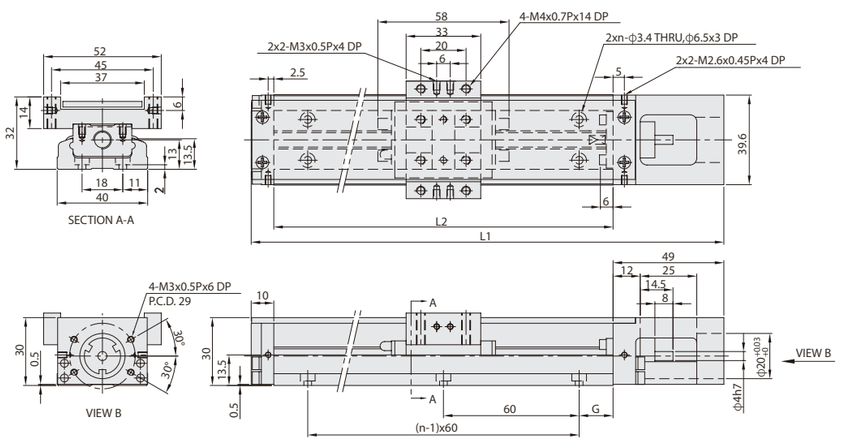
Unit：mm



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

KK40D

Unit：mm

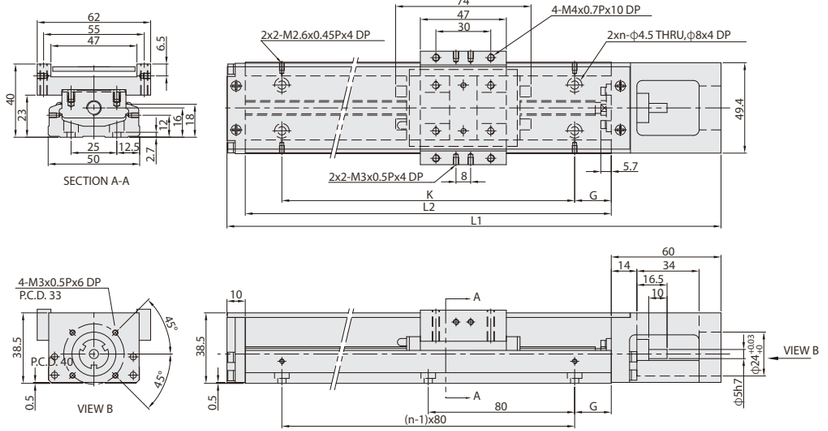


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide			A1 Slide	A2 Slide
100	159	36	-	20	2	0.55	-
150	209	86	34	15	3	0.68	0.76
200	259	136	84	40	3	0.82	0.89

SINGLE-AXIS ROBOT KK TYPE | COVER INCLUDED

KK50D

Unit：mm

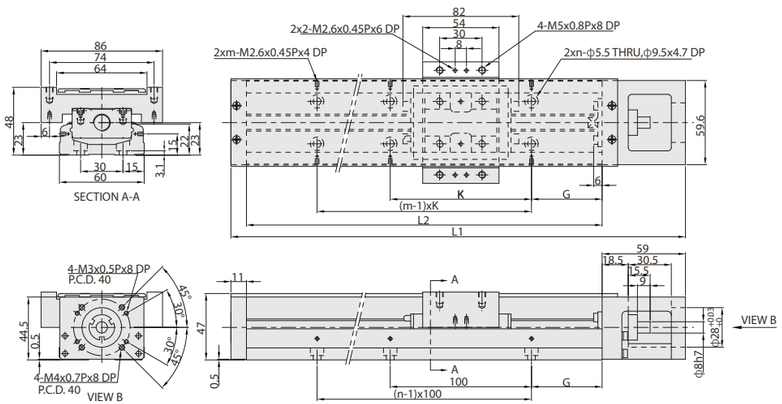


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n	Weight (kg)	
		A1 Slide	A2 Slide				A1 Slide	A2 Slide
150	220	70	-	35	80	2	1.1	-
200	270	120	55	20	160	3	1.3	1.5
250	320	170	105	45	160	3	1.6	1.8
300	370	220	155	30	240	4	1.8	2

KK60D

Standard type

Unit：mm

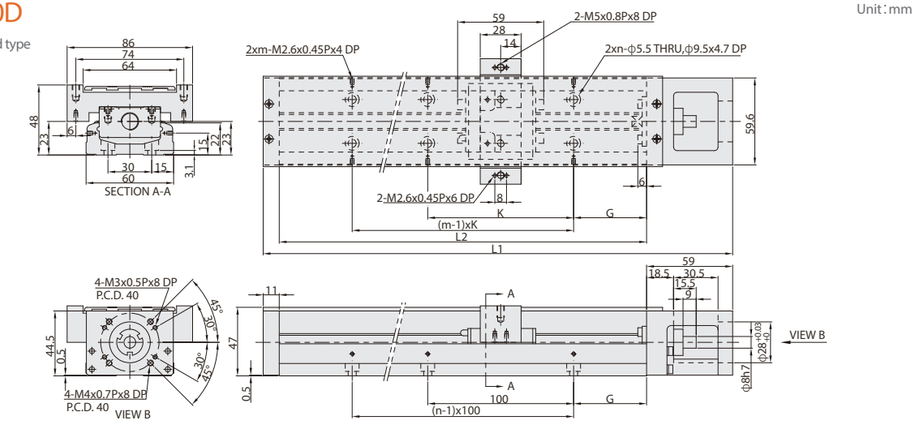


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
150	220	60	-	25	100	2	2	1.7	-
200	270	110	-	50	100	2	2	2.1	-
300	370	210	135	50	200	3	2	2.7	3
400	470	310	235	50	100	4	4	3.3	3.6
500	570	410	335	50	200	5	3	3.9	4.2
600	670	510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

KK60D

Light load type

Unit：mm

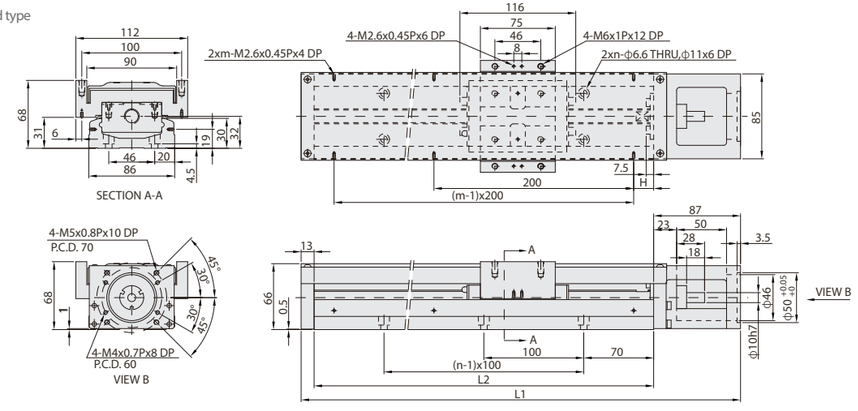


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	K(mm)	n(mm)	n(mm)	Weight (kg)	
		S1 Slide	S2 Slide					S2 Slide	S2 Slide
150	220	85	34	25	100	2	2	1.6	1.8
200	270	135	84	50	100	2	2	1.9	2.1
300	370	235	184	50	200	3	2	2.5	2.7
400	470	335	284	50	100	4	4	3.1	3.3
500	570	435	384	50	200	5	3	3.7	3.9
600	670	535	484	50	100	6	6	4.4	4.6

KK86D

Standard type

Unit：mm



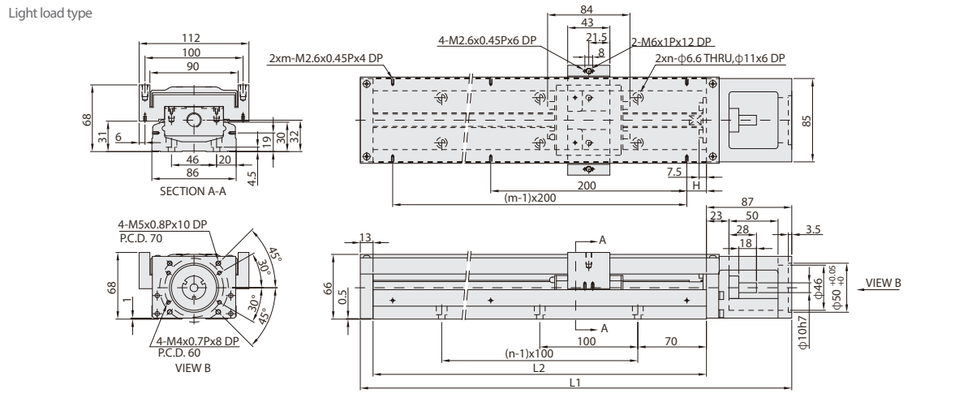
轨道长度 Track length L2(mm)	全长 Length L1(mm)	最大行程 Maximum stroke (mm)		H(mm)	n	m	重量 Weight (kg)	
		A1 滑座Slide	A2 滑座Slide				A1 滑座Slide	A2 滑座Slide
340	440	216.5	108.5	70	3	2	6.5	7.3
440	540	316.5	208.5	20	4	3	7.8	8.6
540	640	416.5	308.5	70	5	3	9	9.8
640	740	516.5	408.5	20	6	4	10.3	11.3
740	840	616.5	508.5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

SINGLE-AXIS ROBOT KK TYPE | COVER INCLUDED

KK86D

Light load type

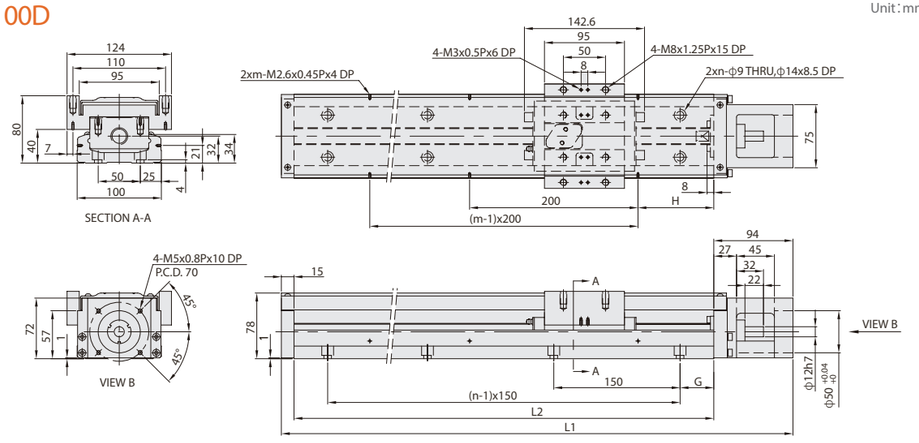
Unit：mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		H(mm)	n	m	Weight (kg)	
		S1 Slide	S2 Slide				S1 Slide	S2 Slide
340	440	248.5	172.5	70	3	2	6.3	7.1
440	540	348.5	272.5	20	4	3	7.6	8.4
540	640	448.5	372.5	70	5	3	8.8	9.6
640	740	548.5	472.5	20	6	4	10.1	11.1
740	840	648.5	572.5	70	7	4	11.4	12.2
940	1040	848.5	772.5	70	9	5	12.8	13.6

KK100D

Unit：mm

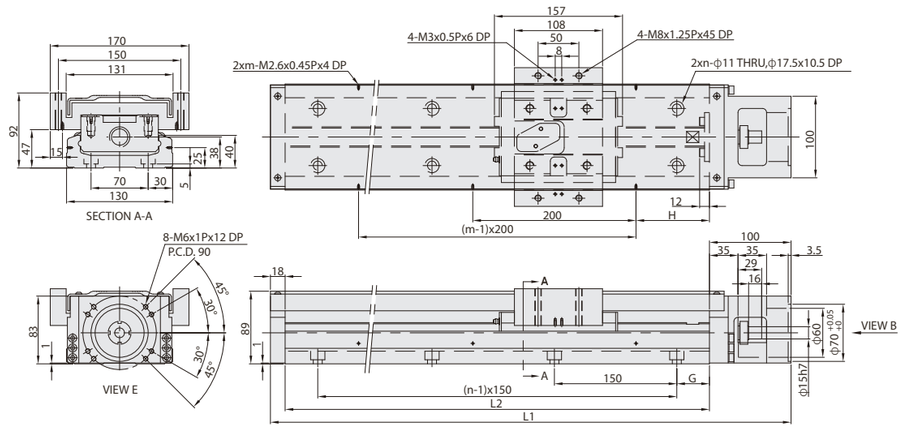


Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1089	828	700	40	90	7	5	20.4	22.1
1080	1189	928	800	15	40	8	6	22.2	23.9
1180	1289	1028	900	65	90	8	6	24	25.7
1280	1389	1128	1000	40	40	9	7	25.7	27.4
1380	1489	1228	1100	15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

SINGLE-AXIS ROBOT KK TYPE | COVER INCLUDED

KK130D

Unit：mm



Track length L2(mm)	Length L1(mm)	Maximum stroke (mm)		G(mm)	H(mm)	n	m	Weight (kg)	
		A1 Slide	A2 Slide					A1 Slide	A2 Slide
980	1098	811	659	40	90	7	5	31.9	35.9
1180	1298	1011	859	65	90	8	6	37.1	41.1
1380	1498	1211	1059	90	90	9	7	42.2	46.2
1680	1798	1511	1359	90	40	11	9	49.9	53.9

APPLICABLE MOTOR COMPARISON TABLE

❶ Mitsubishi servo motor

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

❷ Panasonic servo motor

Output power	Motor	Weight (kg)	Applicable flange							Brake (kg)	Driver	Weight (kg)	Notes
			KK30D	KK40D	KK50D	KK60D	KK86D	KK100D	KK130D				
50W	MSMD5AZP1	0.32	-	F2	F2	F2	F3	-	-	0.53	MADDT1105	0.8	110V
50W	MSMD5AZP1	0.32	-	F2	F2	F2	F3	-	-	0.53	MADDT1205	0.8	220V
100W	MSMD011 P1	0.47	-	F2	F2	F2	F3	-	-	0.68	MADDT1107	0.8	110V
100W	MSMD012P1	0.47	-	F2	F2	F2	F3	-	-	0.68	MADDT1205	0.8	220V
200W	MSMD021P1	0.82	-	-	-	-	F1	-	-	1.3	MADDT2110	1.1	110V
200W	MSMD022P1	0.82	-	-	-	-	F1	-	-	1.3	MADDT1207	0.8	220V
400W	MSMD041P1	1.2	-	-	-	-	F1	-	-	1.7	MADDT3120	1.5	110V
400W	MSMD042P 1	1.2	-	-	-	-	F1	-	-	1.7	MADDT2210	1.1	220V
750W	MSMD082S1	2.3	-	-	-	-	F4	F2	F4	3.1	MADDT3520	1.5	220V

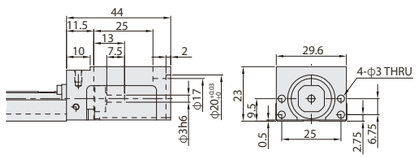
❸ Yaskawa servo motor

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

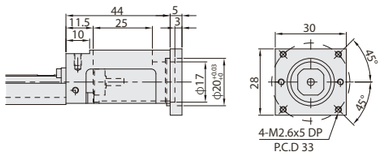
KK30D

Unit：mm

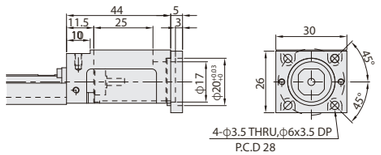
❶ Motor base F0



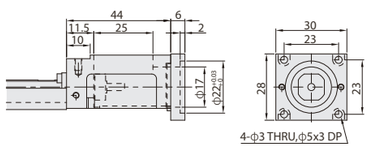
❷ Motor connecting flange F1



❸ Motor connecting flange F2



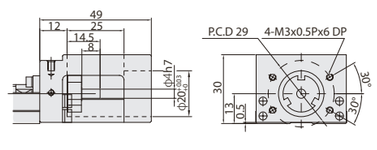
❹ Motor connecting flange F3



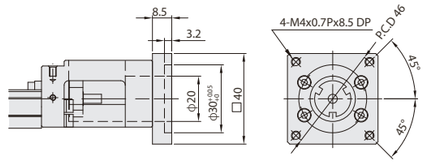
KK40D

Unit：mm

❶ Motor base F0

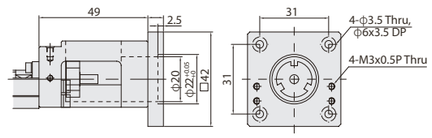


❷ Motor connecting flange F1

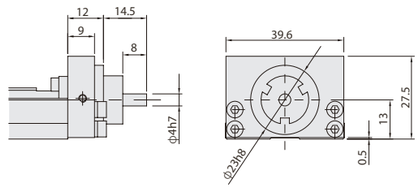


❸ Motor connecting flange F2

❹ Motor connecting flange F3



❺ Adapter fixed seat H0

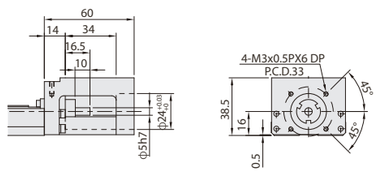


SINGLE-AXIS ROBOT KK TYPE | CONNECTING FLANGE BETWEEN MOTOR BASE AND MOTOR

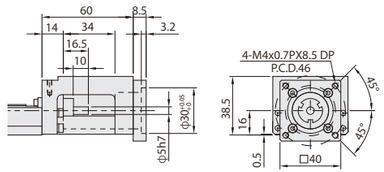
KK50D

Unit：mm

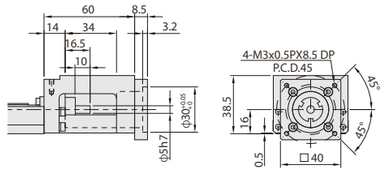
❶ Motor base F0



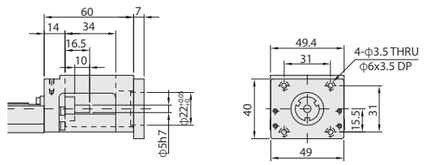
❷ Motor connecting flange F1



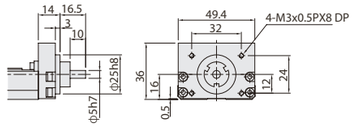
❸ Motor connecting flange F2



❹ Motor connecting flange F3



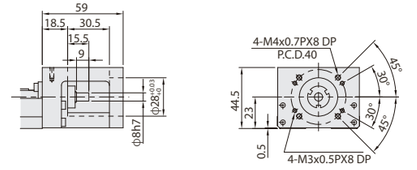
❺ Adapter fixed seat H0



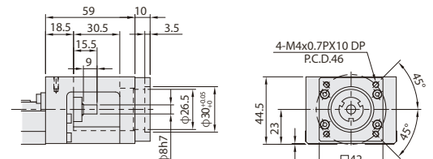
KK60D

Unit：mm

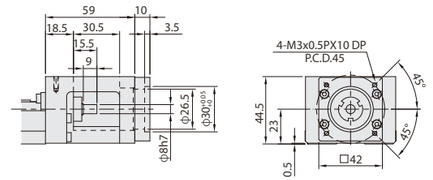
❶ Motor base F0



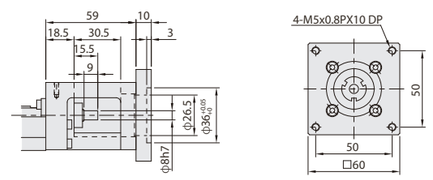
❷ Motor connecting flange F1



❸ Motor connecting flange F2



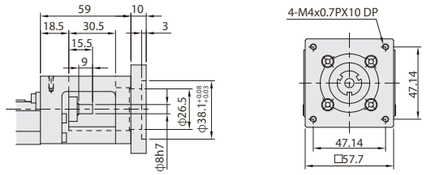
❹ Motor connecting flange F3



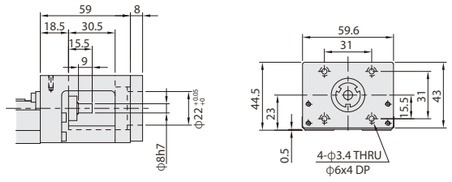
KK60D

Unit：mm

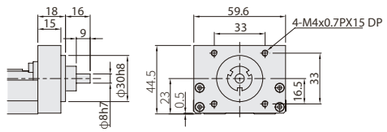
⑤ Motor connecting flange F4



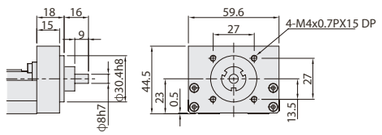
⑥ Motor connecting flange F5



⑦ Adapter fixed seat H0



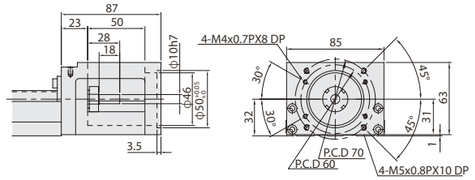
⑧ Adapter fixed seat H1



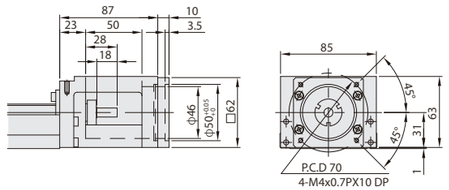
KK86D

Unit：mm

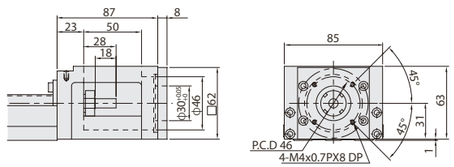
① Motor base F0



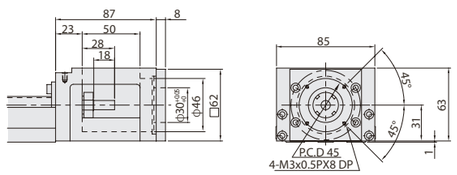
② Motor connecting flange F1



③ Motor connecting flange F2



④ Motor connecting flange F3

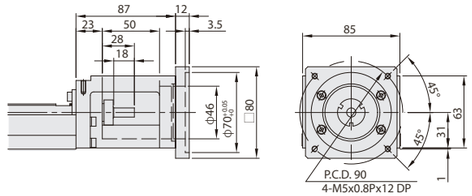


SINGLE-AXIS ROBOT KK TYPE | CONNECTING FLANGE BETWEEN MOTOR BASE AND MOTOR

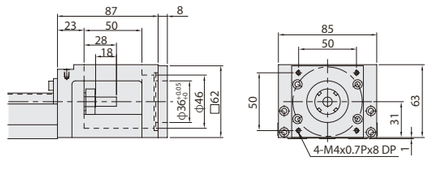
KK86D

Unit：mm

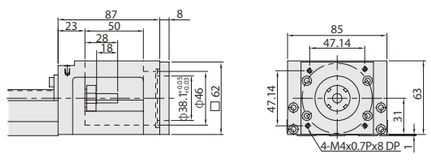
⑤ Motor connecting flange F4



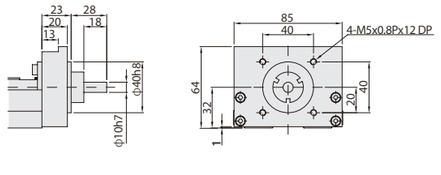
⑥ Motor connecting flange F5



⑦ Motor connecting flange F6



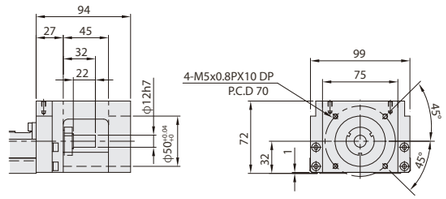
⑧ Adapter fixed seat H1



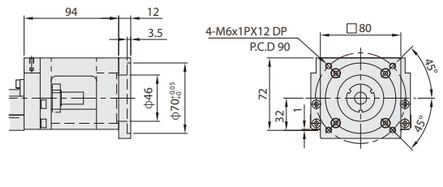
KK100D

Unit：mm

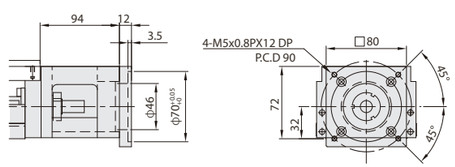
① Motor base F0



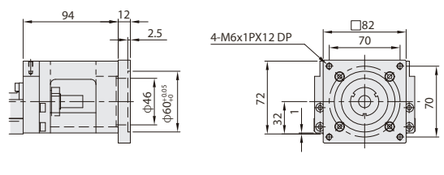
② Motor connecting flange F1



③ Motor connecting flange F2



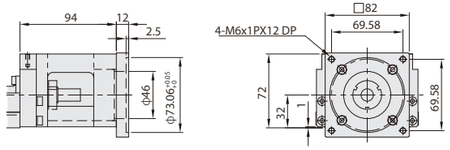
④ Motor connecting flange F3



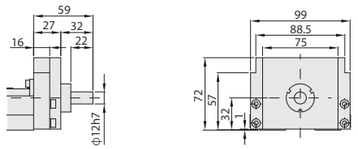
KK100D

Unit：mm

⑤ Motor connecting flange F4



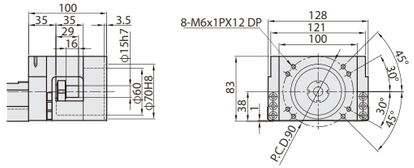
⑥ Adapter fixed seat H0



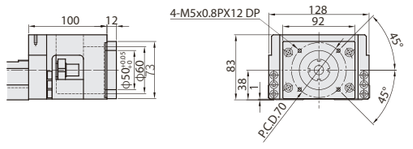
KK130D

Unit：mm

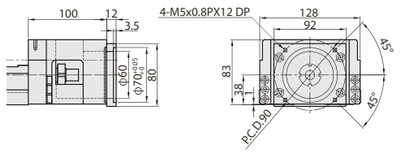
① Motor base F0



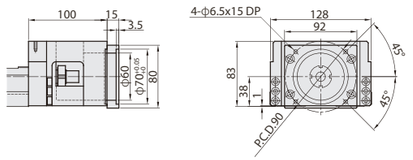
② Motor connecting flange F1



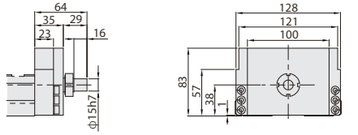
⑤ Motor connecting flange F4



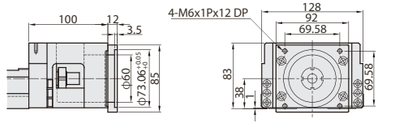
③ Motor connecting flange F2



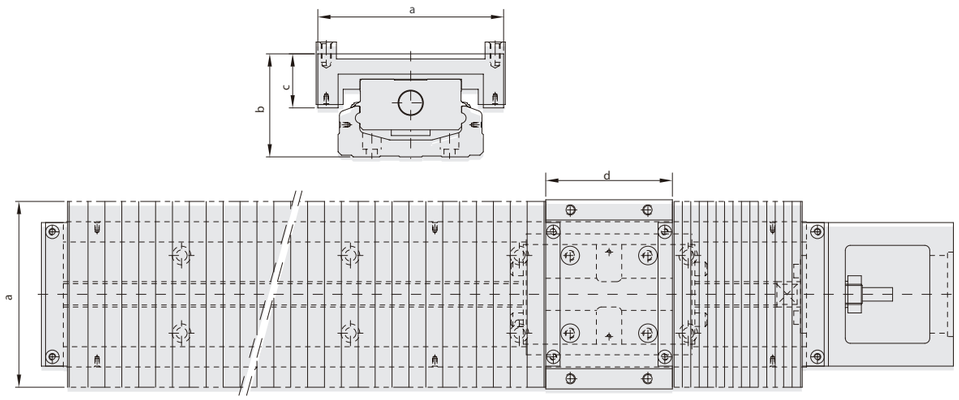
⑥ Adapter fixed seat H0



④ Motor connecting flange F3



TELESCOPIC SHEATH



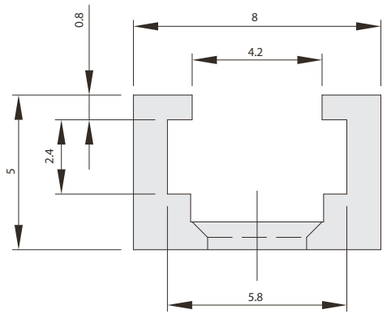
单位 Unit：mm

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

LIMIT SWITCH

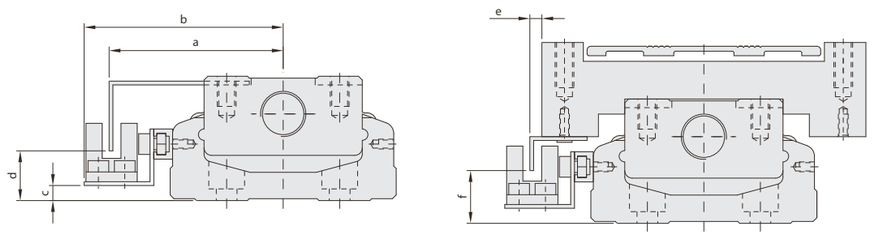
❶ Limit orbit

Unit:mm



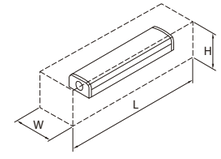
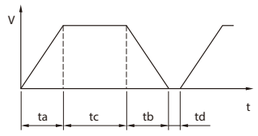
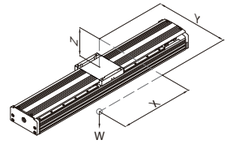
❷ A sensor

Unit:mm



Photoelectric switch						
Size	a	b	c	d	e	f
KK40D	41.5	54.1	0.5	10.8	15.3	12
KK50D	45.5	59	1	10	15	11
KK60D	51	63.8	4	14.5	8	13
KK86D	63.5	76.7	8	18	8	18
KK100D	71	84	10	20	9	20
KK130D	85.5	98.5	14	24	0.5	23

SINGLE AXIS ROBOT KK TYPE PRODUCT SELECTION TABLE

Customer name		Number	
Contact person		Positional titles	
Telephone		E-mail	
Portraiture		Business	
Module specifications			
Effective stroke			
Positioning accuracy			
Reproducing accuracy			
Installation method	☐ Level ☐ Vertical ☐ Hang upside down ☐ Tilt ☐ Wall hanging ☐ XY axis ☐ XY axis ☐ XYZ axis ☐ Gantry type ☐ Other (please draw a sketch)		
Special use environment	☐ High temperature ☐ Low temperature ☐ Vibration ☐ Oil ☐ Water ☐ Clean room ☐ Chemical corrosion ☐ Damp ☐ Dust ☐ Other _____		
Environmental space limitations [mm]	L_____ xW _____ xH _____ . 		
Lead screw lead			
Maximum speed/acceleration			
Work cycle		Maximum speed V=____mm/s ta= _____sec tb= _____sec tc= _____sec td= _____sec	
Load			
Center of gravity position		☐ Special deviation X____xY____xZ____ . ☐ Front and rear deviation ☐ Left and right deviation ☐ Upper and lower deviation X=____mm Y=____mm Z= ___mm	
Life expectancy			
Attachment Requirements	☐ Motor (brand, type, brake) ☐ Driver ☐ Coupling ☐ Limit switches ☐ Reducer ☐ XY connection seat ☐ Cable protection chain pipe ☐ Other _____		
Other usage conditions			
Industrial use	☐ Carry ☐ Glue ☐ Loading & unloading ☐ Check ☐ Deliver ☐ Other		

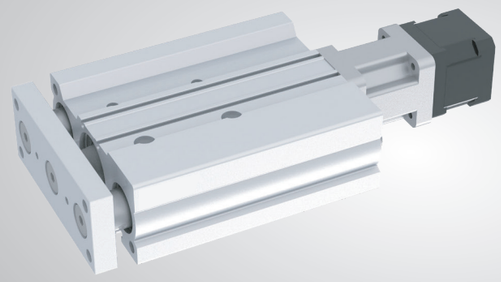
LG16

High rigidity guide bar type electric slide table

Broad entity **83mm**

max. stroke **100mm**

Max. load **5kg**



LG16 - L2 - 50 - D - S - 28 - C4

Model

Ball Screw Lead

	02

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

Stepping28

Motor power

Number of switches

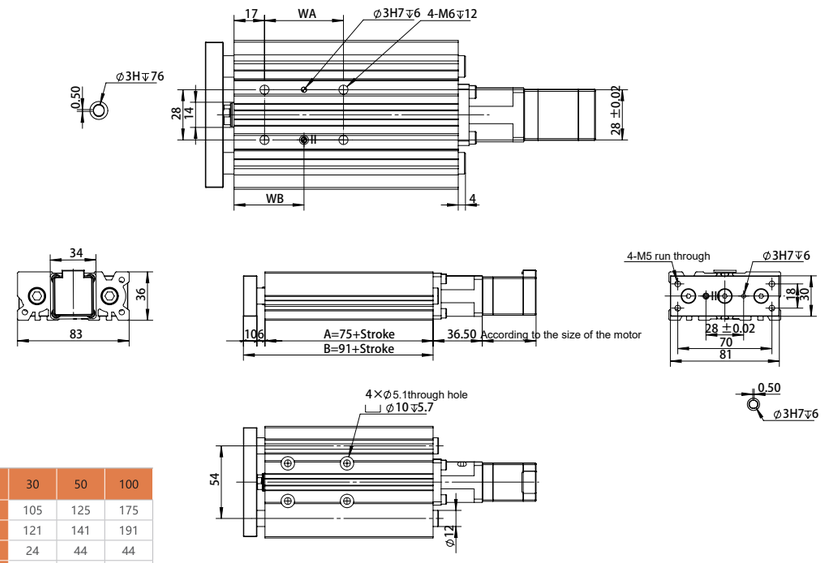
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)		步进 28
Static loading Moment		0.09
Repeatability(mm)		±0.02
Screw specification		0802
Maximum thrust		220
Maximum speed		40
Stroke		30.50.100
Ultimate load	Horizontal(kg)	5
	Vertical(kg)	5
Piston rod rotation Angle		±0.7 度
Stroke weight		1.2
Weight increase per 10mm cylinder body		0.09
Motor directly mounting related component mass		0.08
Motors indirectly mount related component quality		0.15

LG16-D

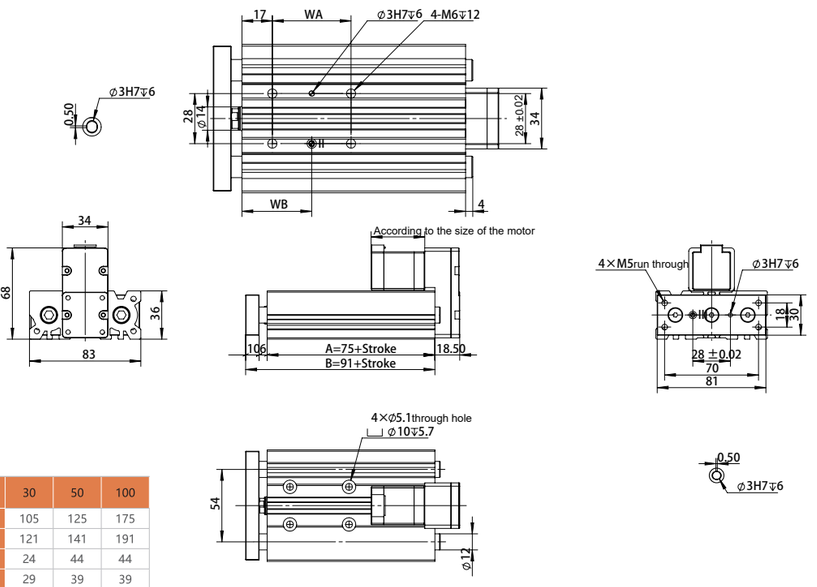
Unit:mm



Stroke	30	50	100
A	105	125	175
B	121	141	191
WA	24	44	44
WB	29	39	39

LG16-P

Unit:mm

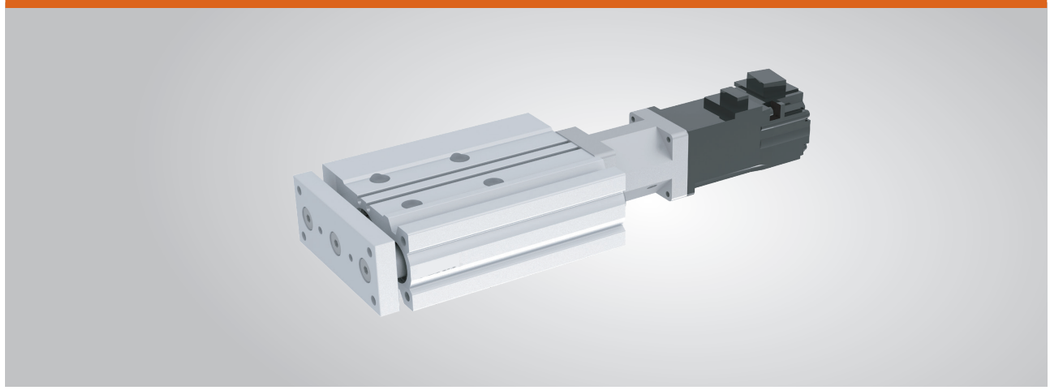


Stroke	30	50	100
A	105	125	175
B	121	141	191
WA	24	44	44
WB	29	39	39

This drawing is for reference only, and the actual dimensions are subject to the 2D/3D drawings provided. Changes in product style, appearance, and specifications will not be notified separately.

LG20 High rigidity guide bar type electric slide table

Broad entity **93mm** | Max. stroke **100mm** | Max. load **8kg**



LG20 - L2 - 50 - D - S - 28 - C4

Model

Ball Screw Lead

	02

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	Anda
T	Delta
O	Other
S	Stepping28

Motor power

Number of switches

C4	Switch*3
E5	without

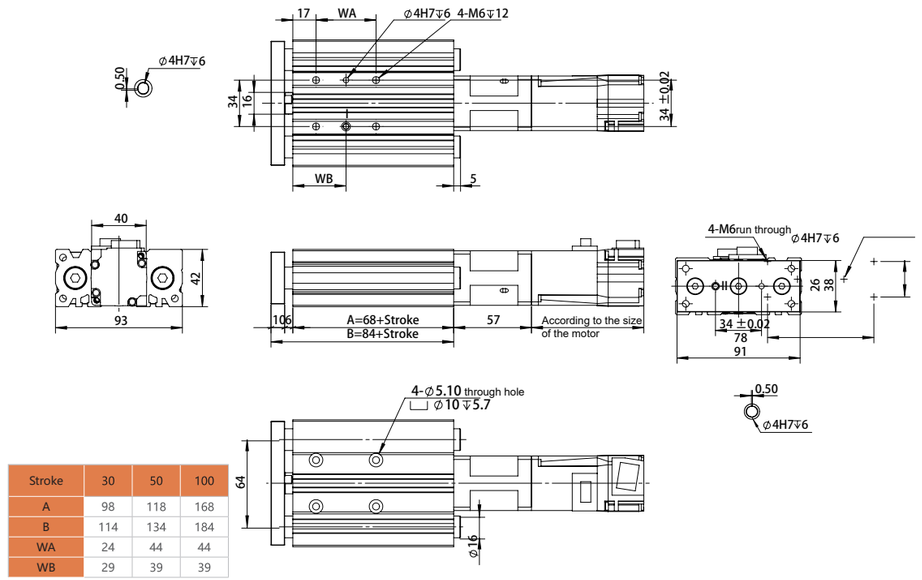
Product parameter

Standard motor output(w)		50W	步进 28
Static loading Moment		0.16	0.09
Repeatability(mm)		±0.02	
Screw specification		0802	
Maximum thrust		400	220
Maximum speed		100	40
Stroke		30.50.100	
Ultimate load	Horizontal(kg)	8	
	Vertical(kg)	8	
Piston rod rotation Angle		±0.7 度	
Stroke weight		1.9	
Weight increase per 10mm cylinder body		0.13	
Motor directly mounting related component mass		0.14	
Motors indirectly mount related component quality		0.18	

LG series
LH series
LC series
LE series
LA series

LG20-D

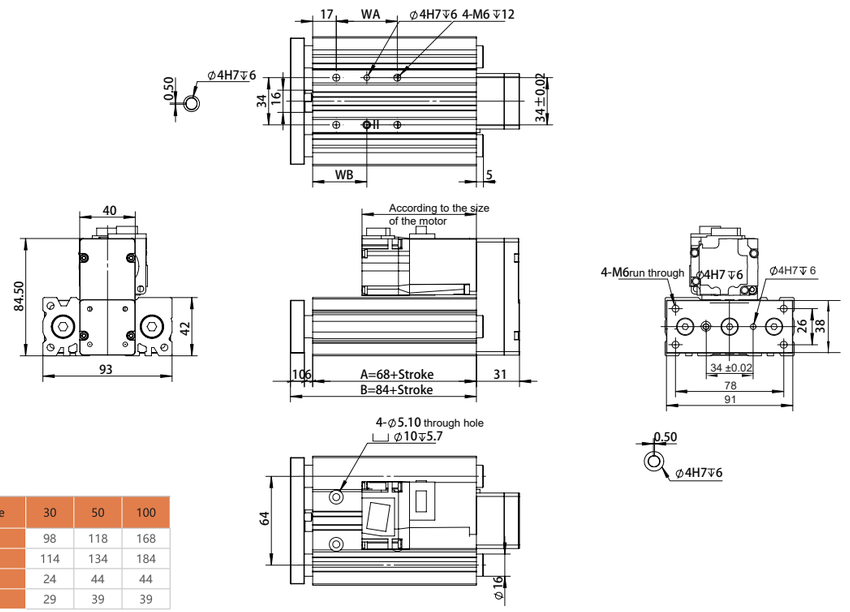
Unit:mm



Stroke	30	50	100
A	98	118	168
B	114	134	184
WA	24	44	44
WB	29	39	39

LG20-P

Unit:mm



Stroke	30	50	100
A	98	118	168
B	114	134	184
WA	24	44	44
WB	29	39	39

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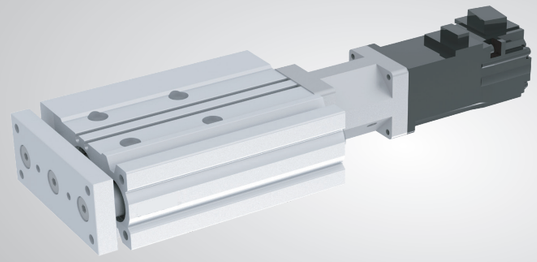
LG25 High rigidity guide bar type electric slide table

Broad entity **112mm** | Max. stroke **100mm** | Max. load **20kg**



LG25 - L10 - 50 - D - M - 28 - C4

Model

Ball Screw Lead

	05/10

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta
O	Other
S	Stepping42

Motor power

Number of switches

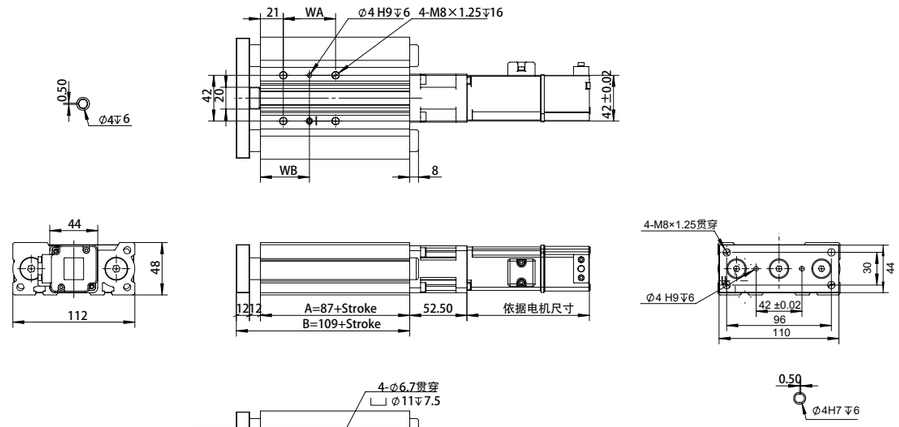
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)		100W		步进 42	
Static loading Moment		0.32		0.25	
Repeatability(mm)		±0.02			
Screw specification		1210	1205	1210	1205
Maximum thrust		170	340	125	250
Maximum speed		500	250	100	50
Stroke		30.50.100			
Ultimate load	Horizontal(kg)	20			
	Vertical(kg)	24			
Piston rod rotation Angle		±0.7 度			
Stroke weight		2.1			
Weight increase per 10mm cylinder body		0.2			
Motor directly mounting related component mass		0.13			
Motors indirectly mount related component quality		0.2			

LG25-D

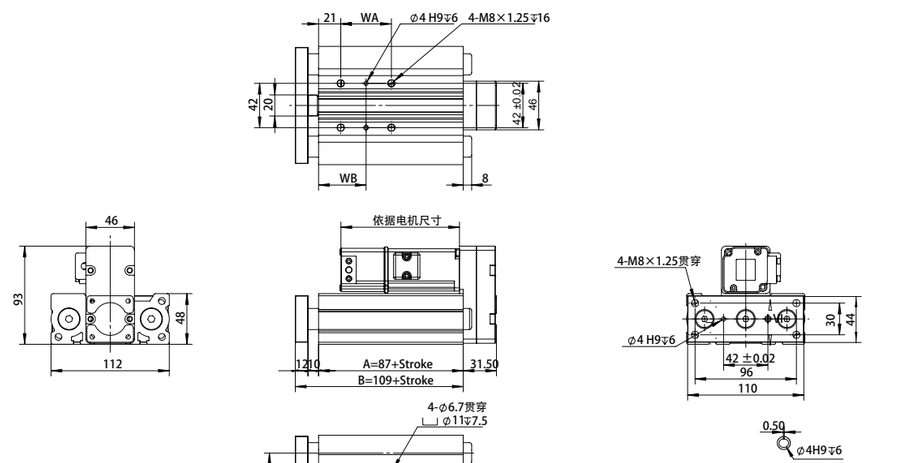
Unit:mm



Stroke	30	50	100
A	117	137	187
B	139	159	209
WA	24	48	48
WB	33	45	45

LG25-P

Unit:mm



Stroke	30	50	100
A	117	137	187
B	139	159	209
WA	24	48	48
WB	33	45	45

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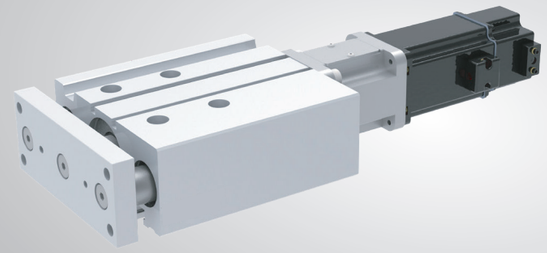
LG32

High rigidity guide bar type electric slide table

Broad entity **148mm**

Max. stroke **100mm**

Max. load **45kg**



LG32 - L10 - 50 - D - M - 400W - C4

Model

Ball Screw Lead

	05/10

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	Yaskawa
T	Delta
O	Other
S	Stepping42

Motor power

Number of switches

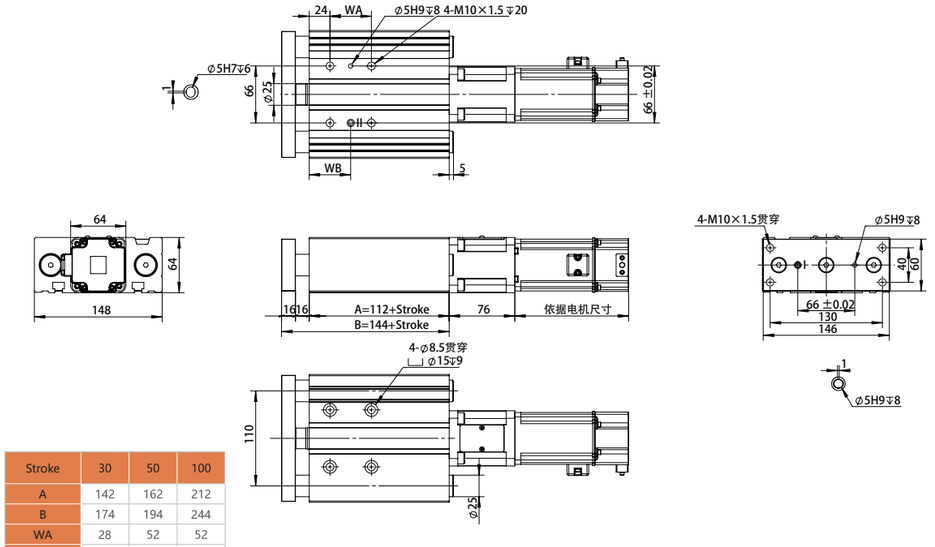
C4	Switch*3
E5	Without

Product parameter

Standard motor output(w)		400W		步进57	
Static loading Moment		1.32		0.3	
Repeatability(mm)		±0.02			
Screw specification		1605	1610	1605	1610
Maximum thrust		1280	690	300	150
Maximum speed		250	500	100	200
Stroke		30.50.100			
Ultimate load	Horizontal(kg)	45			
	Vertical(kg)	27			
Piston rod rotation Angle		±0.7 度			
Stroke weight		6.1			
Weight increase per 10mm cylinder body		0.3			
Motor directly mounting related component mass		0.3			
Motors indirectly mount related component quality		0.6			

LG32-D

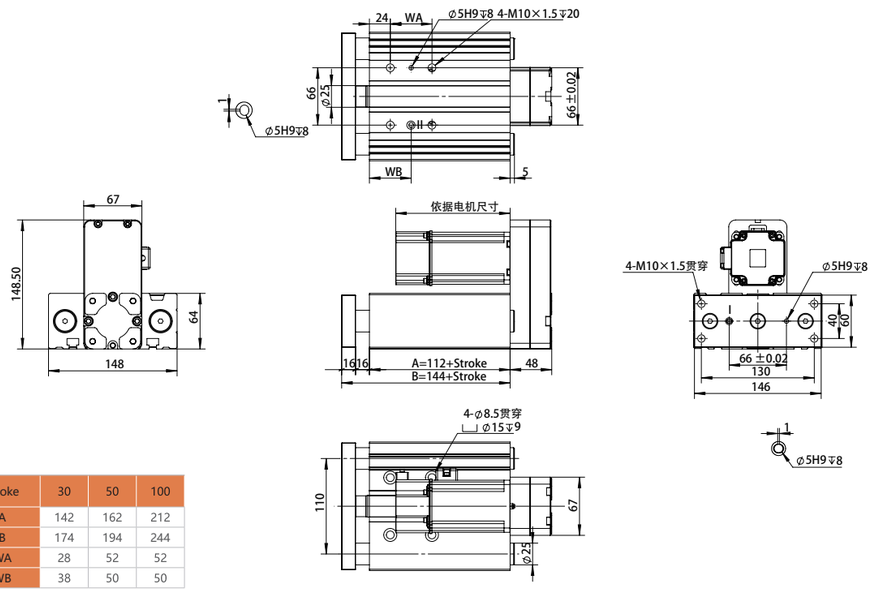
Unit:mm



Stroke	30	50	100
A	142	162	212
B	174	194	244
WA	28	52	52
WB	38	50	50

LG32-P

Unit:mm



Stroke	30	50	100
A	142	162	212
B	174	194	244
WA	28	52	52
WB	38	50	50

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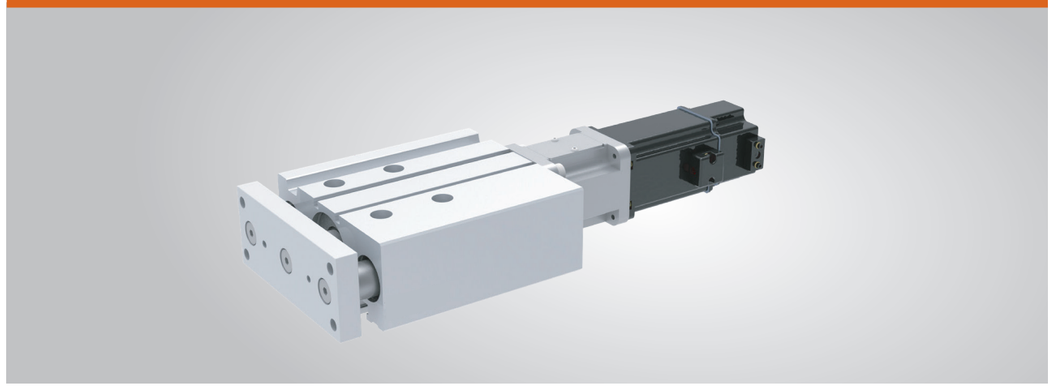
LG40 High rigidity guide bar type electric slide table

Broad entity **162mm** | Max. stroke **100mm** | Max. load **60kg**



LG40 - L10 - 50 - D - T - 400W - C4

Model

Ball Screw Lead

	05/10

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta
O	Other
S	Stepping42

Motor power

Number of switches

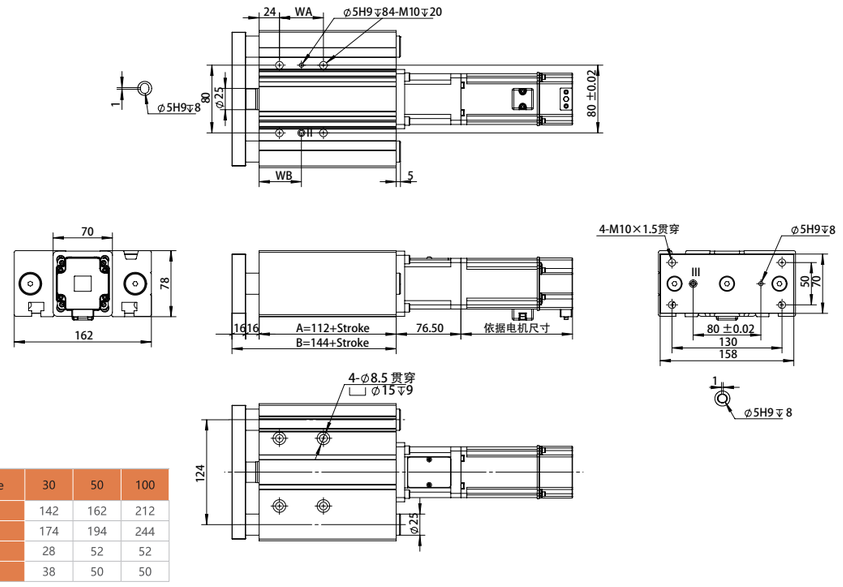
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)		400W		步进57	
Static loading Moment(Nm)		1.32		0.3	
Repeatability(mm)		±0.02			
Screw specification		1605	1610	1605	1610
Maximum thrustN		1280	690	300	150
Maximum speed(mm/s)		250	500	100	200
Stroke (mm)		30.50.100			
Ultimate load(KG)	Horizontal(kg)	60			
	Vertical(kg)	27			
Piston rod rotation Angle		±0.7 度			
Stroke weight(KG)		7.3			
Weight increase per 10mm cylinder body(KG)		0.4			
Motor directly mounting related component mass(KG)		0.4			
Motors indirectly mount related component quality(KG)		0.6			

LG40-D

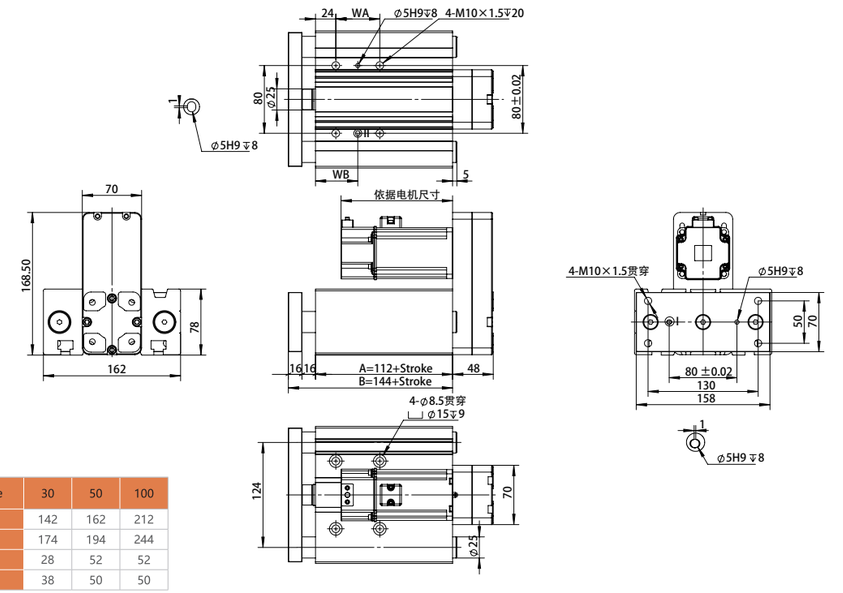
Unit:mm



Stroke	30	50	100
A	142	162	212
B	174	194	244
WA	28	52	52
WB	38	50	50

LG40-P

Unit:mm



Stroke	30	50	100
A	142	162	212
B	174	194	244
WA	28	52	52
WB	38	50	50

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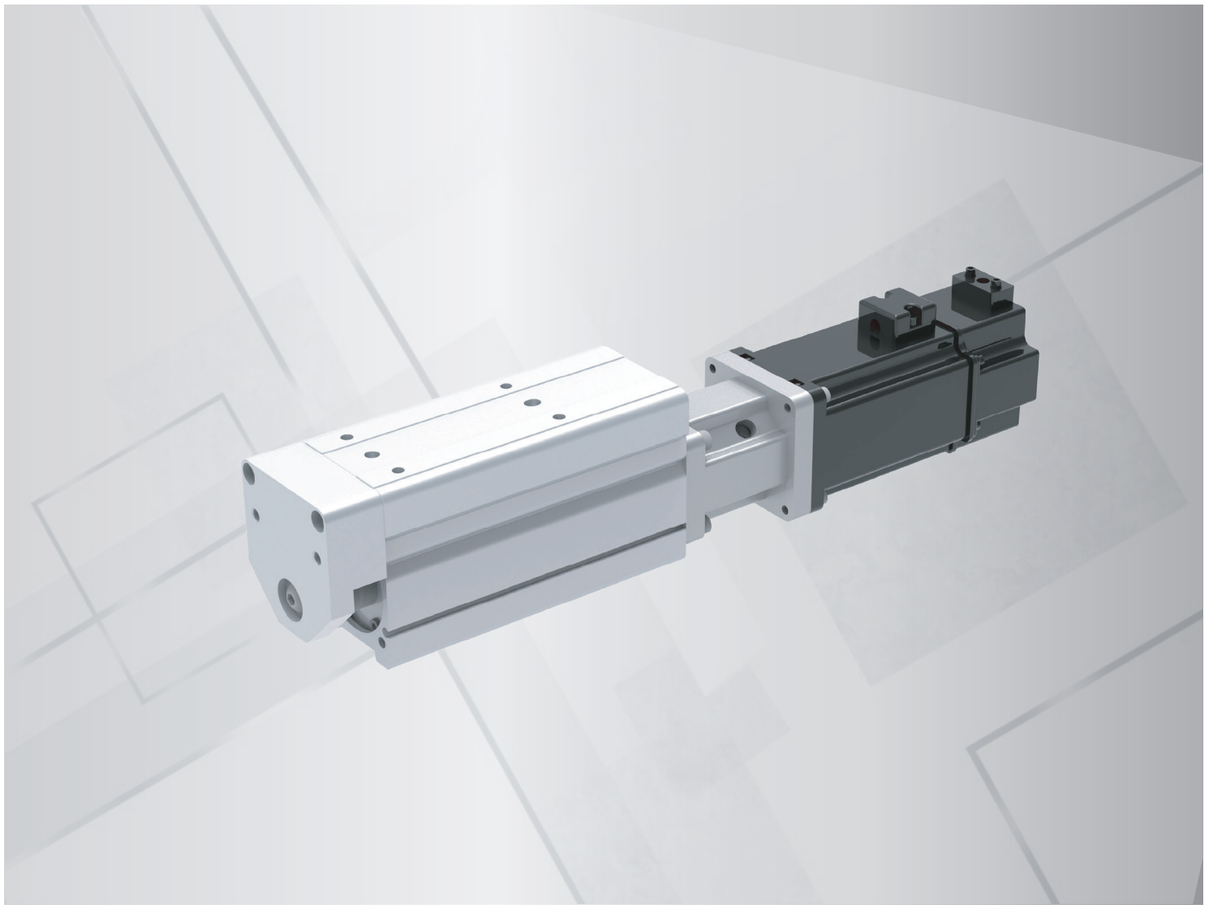
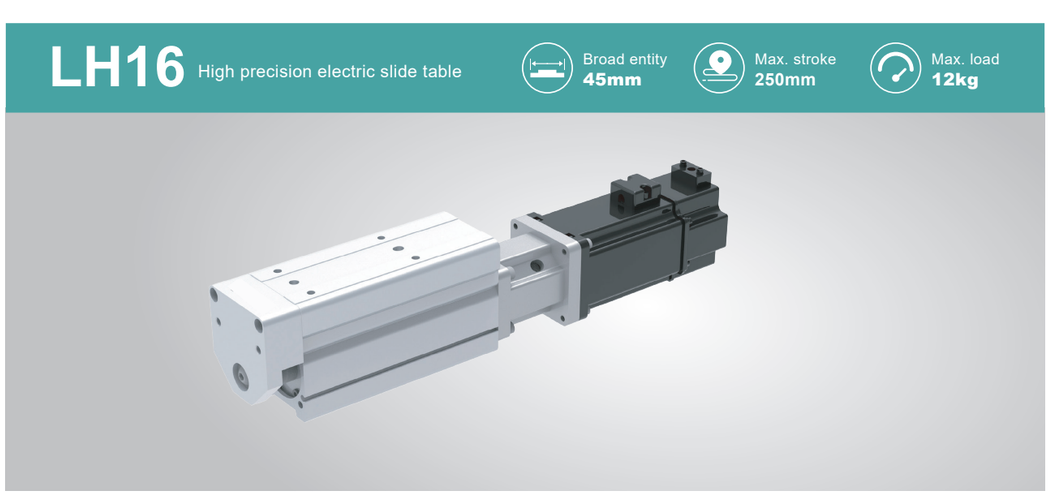
LH series

LH High precision electric slide table



LH16 High precision electric slide table

Broad entity **45mm** | Max. stroke **250mm** | Max. load **12kg**



LH16 - L10 - 100 - D - M - 100W - C4

Model

Ball Screw Lead

05	5mm
10	10mm
20	20mm

Stroke

30-250mm

Motor Postion

D	Direct mounting
PL	Left side indirect mounting
PR	Right-hand indirect mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta
无	Bare cylinder vacancy

Motor power

Number of switches

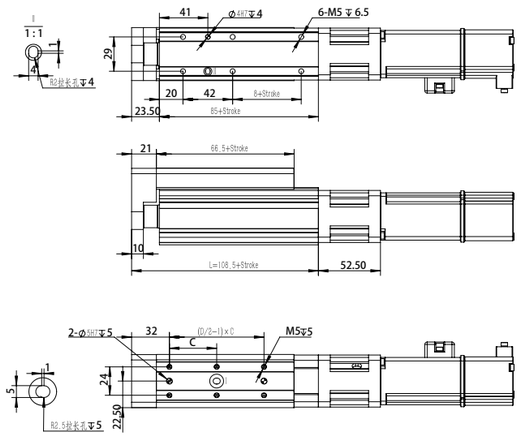
C4	Switch*3
E5	without

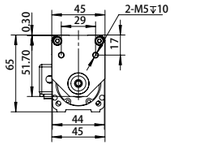
Product parameter

Standard motor output(w)		100W			步进42		
Static loading Moment(Nm)		0.32			0.25		
Repeatability(mm)		±0.02					
Screw specification		5	10	20	5	10	20
Maximum thrustN		340	170	85	250	125	62.5
Maximum speed(mm/s)		250	500	1000	50	100	200
Stroke（mm）		30.50.100.150.200.250					
Ultimate load(KG)	Horizontal(kg)	8					
	Vertical(kg)	12					
Piston rod rotation Angle		0.8					
Stroke weight(KG)		1.1					
Weight increase per 10mm cylinder body(KG)		0.18					
Motor directly mounting related component mass(KG)		0.26					

LH16-BC

Unit:mm



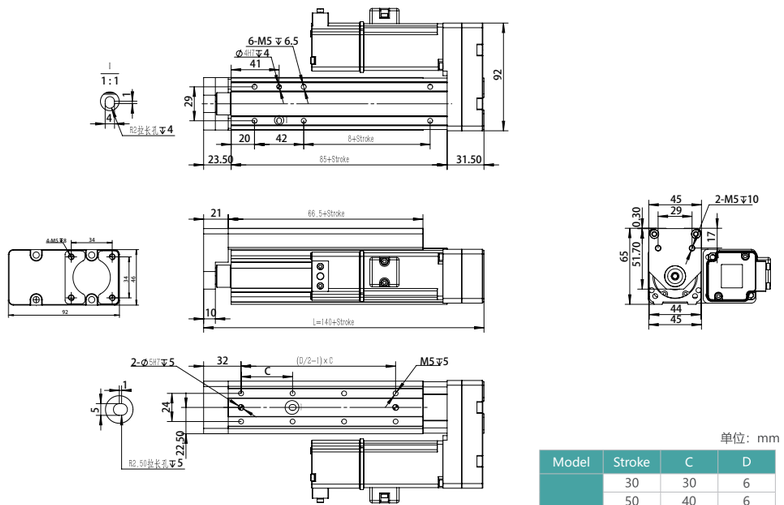


单位：mm

Model	Stroke	C	D
LH16	30	30	6
	50	40	6
	100	44	8
	150	60	8
	200	60	8
	250	60	10

LH16-PL

Unit:mm

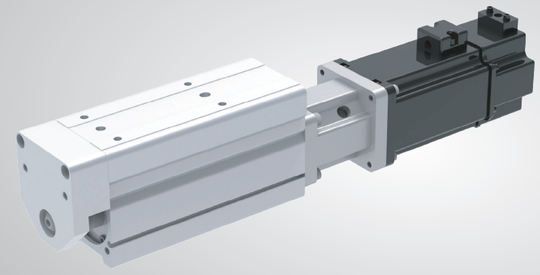


单位：mm

Model	Stroke	C	D
LH16	30	30	6
	50	40	6
	100	44	8
	150	60	8
	200	60	8
	250	60	10

LH25 High precision electric slide table

Broad entity **60mm**
Max. stroke **350mm**
Max. load **20kg**



LH25 - L10 - 100 - D - M - 200W - C4

Model

Ball Screw Lead

05	5mm
10	10mm
20	20mm

Stroke

30-350mm

Motor Postion

D	Direct mounting
PL	Left side indirect mounting
PR	Right-hand indirect mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta
无	Bare cylinder vacancy

Motor power

Number of switches

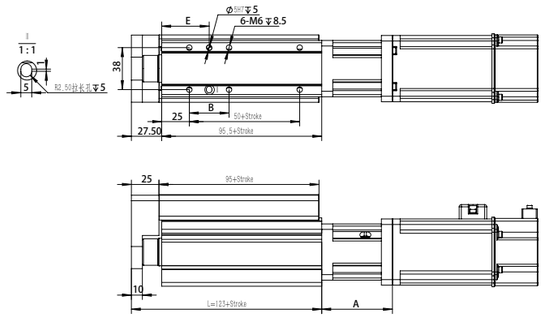
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)		200W			57 步进		
Static loading Moment(Nm)		0.64			0.3		
Repeatability(mm)		±0.02					
Screw specification		5	10	20	5	10	20
Maximum thrustN		690	350	175	300	150	75
Maximum speed(mm/s)		250	500	1000	50	200	400
Stroke (mm)		30.50.100.150.180.200.250.300.350					
Ultimate load(KG)	Horizontal(kg)	12					
	Vertical(kg)	20					
Piston rod rotation Angle		1.5					
Stroke weight(KG)		2					
Weight increase per 10mm cylinder body(KG)		0.26					
Motor directly mounting related component mass(KG)		0.43					

LH25-BC

Unit:mm



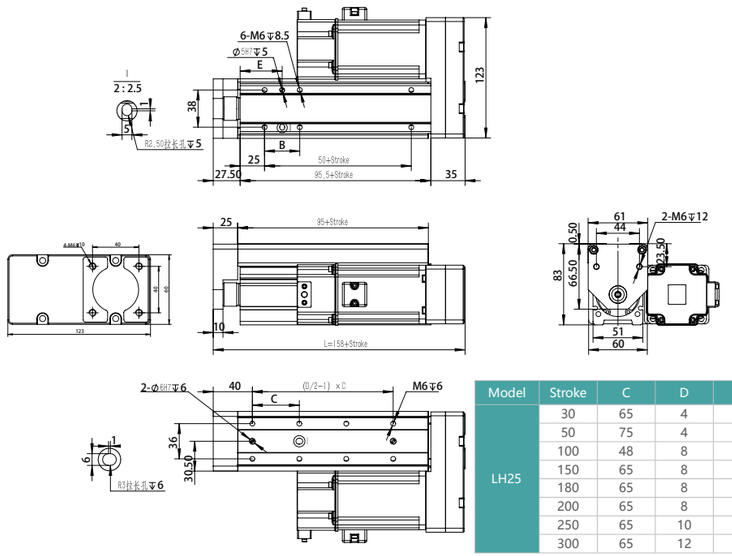
马达	A
200W	64
步进57	55

Model	Stroke	C	D	B	E
LH25	30	65	4	36	43
	50	75	4	36	43
	100	48	8	36	43
	150	65	8	53	51.5
	180	65	8	53	51.5
	200	65	8	53	51.5
	250	65	10	53	51.5
	300	65	12	53	51.5

单位：mm

LH25-PL

Unit:mm

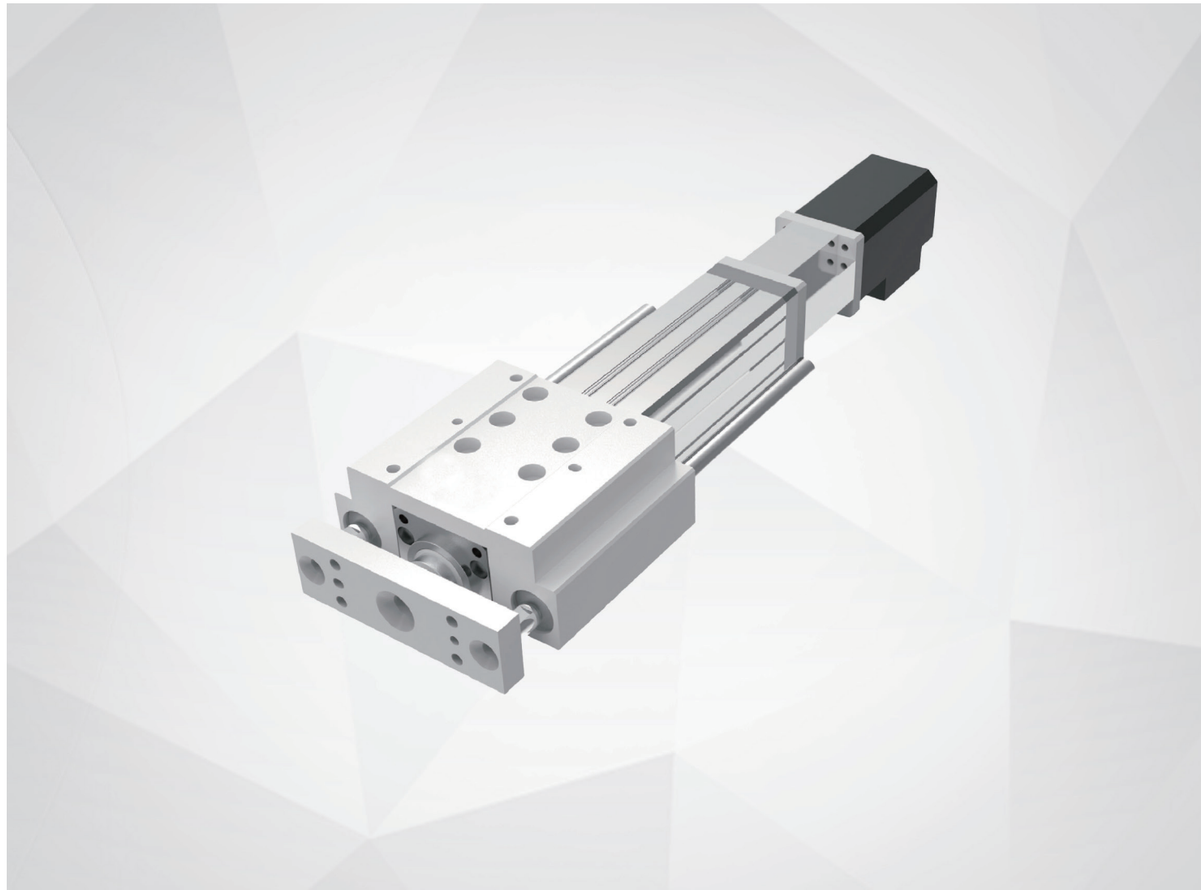


Model	Stroke	C	D	B	E
LH25	30	65	4	36	43
	50	75	4	36	43
	100	48	8	36	43
	150	65	8	53	51.5
	180	65	8	53	51.5
	200	65	8	53	51.5
	250	65	10	53	51.5
	300	65	12	53	51.5

单位：mm

LC series

LC compact electric cylinder



LC12 Compact electric cylinder

Broad entity **27mm** | Max. stroke **100mm** | Max. load **220N**

LC12 - L2 - 100 - D - S - 28 - C4

Model

Ball Screw Lead

	02

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta
O	Other
S	Stepping28

Motor power

Number of switches

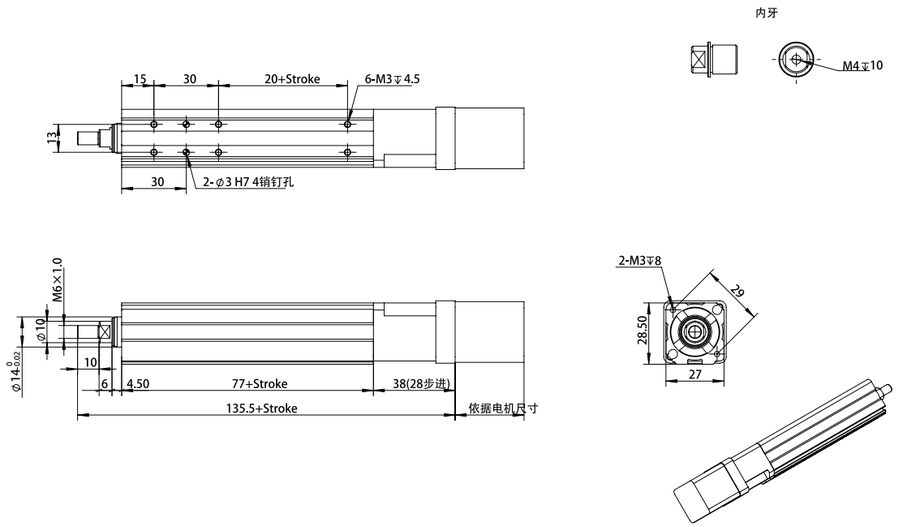
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	步进 28
Static loading Moment(Nm)	0.09
Repeatability(mm)	±0.02
Screw specification	0802
Maximum thrustN	220
Maximum speed(mm/s)	40
Max.Stroke（mm）	100
Maximum load	5
Piston rod rotation Angle	±0.7 度
Maximum driving torque	0.5
Basic weight(kg)	0.3
Weight increase per 10mm cylinder body(KG)	0.1

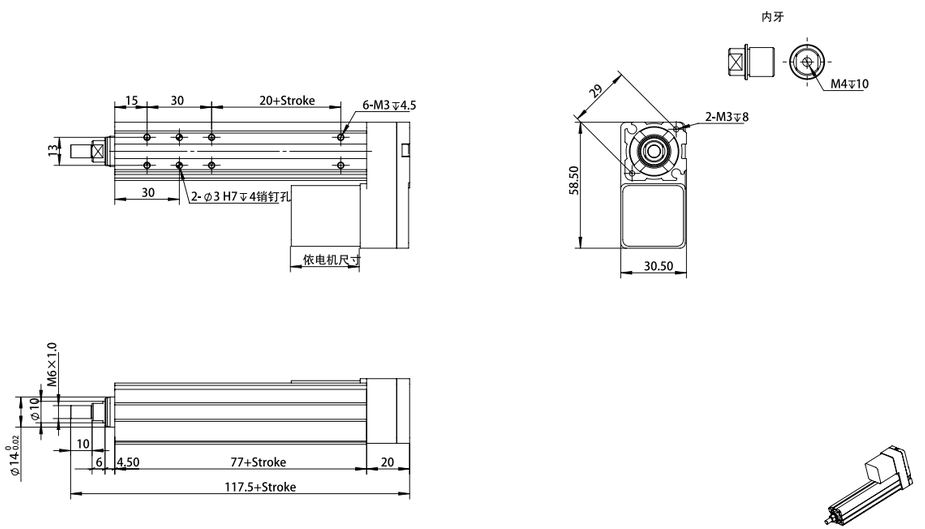
LC12-D

Unit:mm



LC12-P

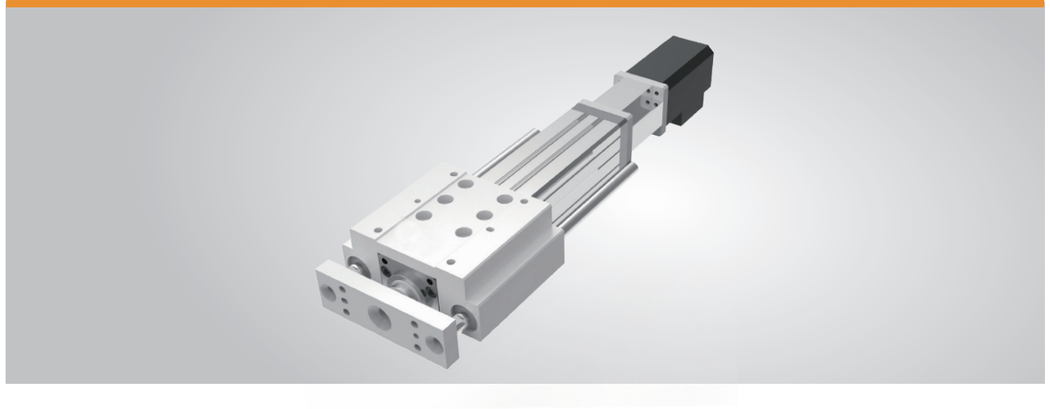
Unit:mm



This drawing is for reference only, and the actual dimensions are subject to the 2D/3D drawings provided. Changes in product style, appearance, and specifications will not be notified separately.

LC16 Compact electric cylinder

Broad entity **34mm** | Max. stroke **300mm** | Max. load **400N**



LC16 - L2 - 100 - D - S - 28 - A -R-C4

Model

Ball Screw Lead

	02

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta
O	Other
S	Stepping42

Motor power

Tooth form

A	M8×1.25
无	M5×0.8

Special structure

R	Optical axis guide bracket
无	Standard cylinder

Number of switches

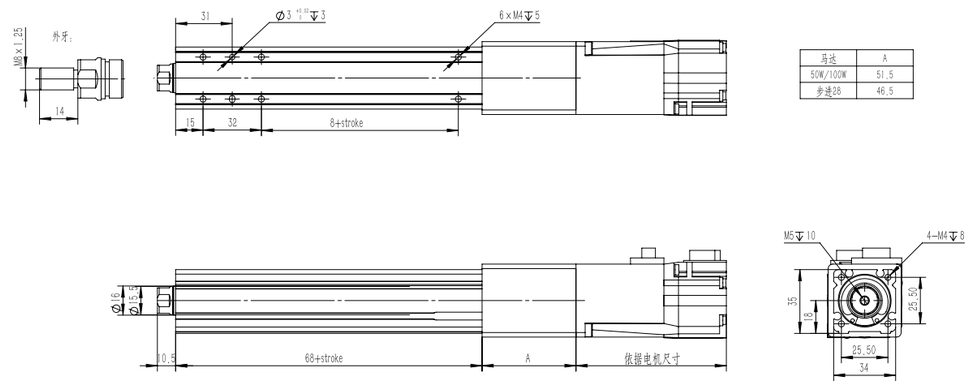
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	50W	步进 28
Static loading Moment(Nm)	0.16	0.09
Repeatability(mm)	±0.02	
Screw specification	802	802
Maximum thrustN	400	220
Maximum speed(mm/s)	100	40
Max.Stroke（mm）	300	
Maximum load	8	
Piston rod rotation Angle	±0.7 度	
Maximum driving torque	0.5	
Basic weight(kg)	0.248	
Weight increase per 10mm cylinder body(KG)	0.274	

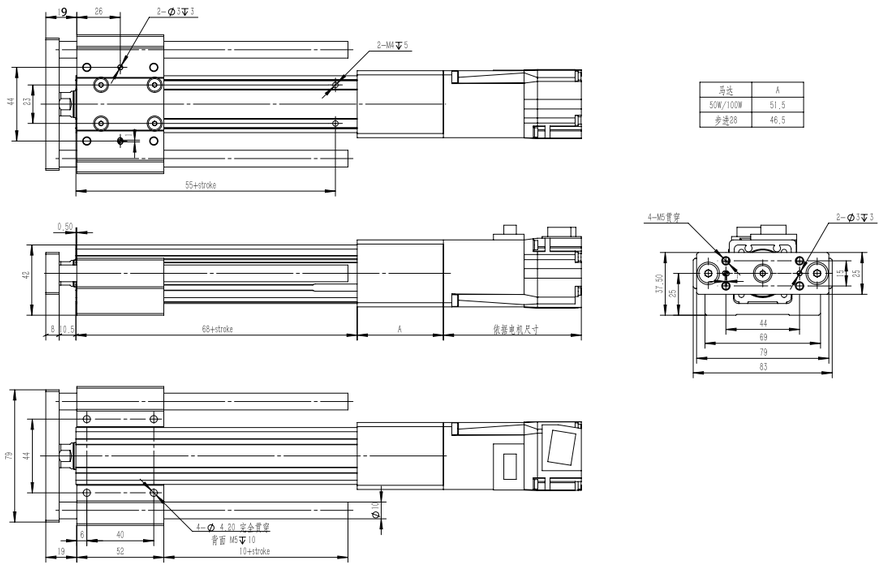
LC16-D

Unit:mm



LC16-D-R

Unit:mm



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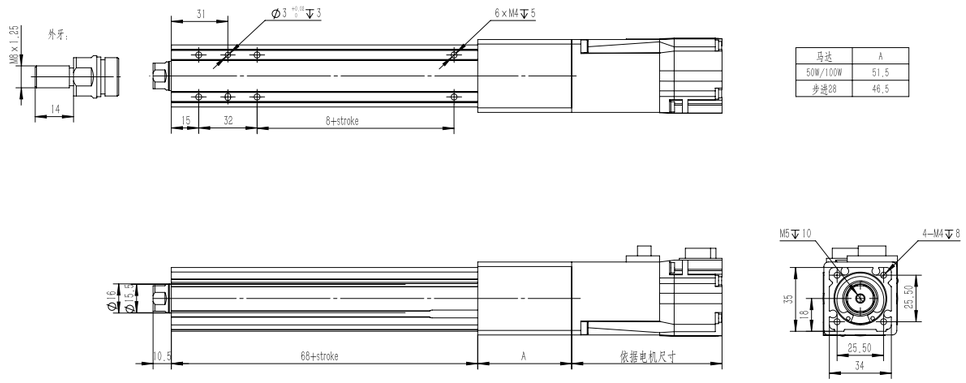
LC16-P

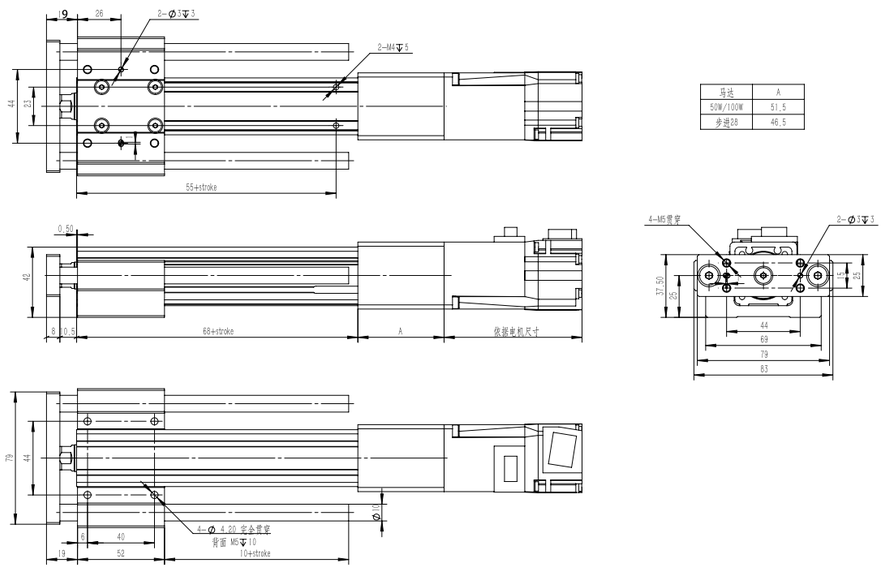
Unit:mm



马达	A
50W/100W	51.5
步进28	46.5

LC16-P-R

Unit:mm



马达	A
50W/100W	51.5
步进28	46.5

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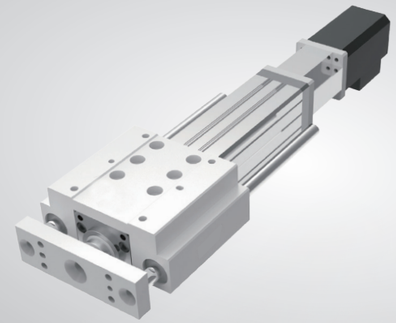
LC25 Compact electric cylinder

Broad entity **44mm**
Max. stroke **400mm**
Max. load **340N**



LC25 -L10 - 100 - D - S - 42 - A -C4 -R

Model

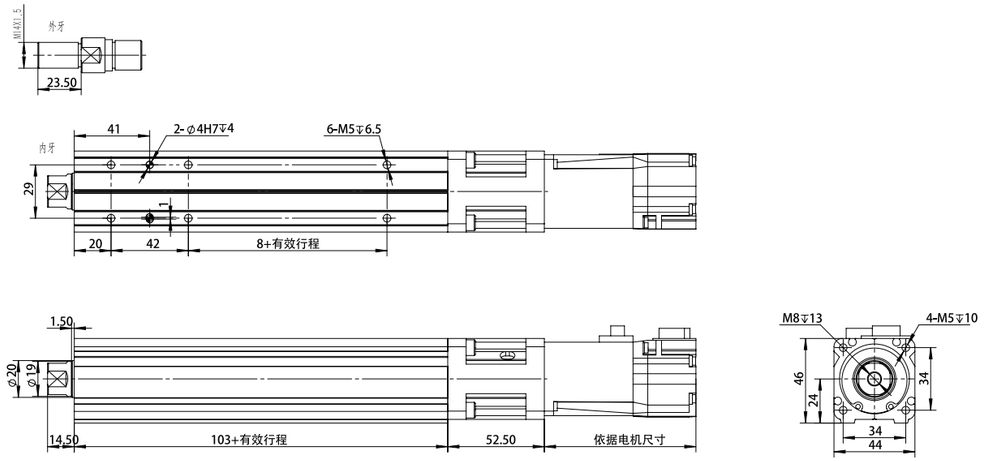
- Ball Screw Lead: 05/10
- Stroke: 30 30mm; 50 50mm; 100 100mm
- Motor Postion: D Direct mounting; P Indirect installation
- Motor brand: M Mitsubishi; P Panasonic; T Delta; O Other; S Stepping42
- Motor power
- Tooth form: A M14×1.5; 无 M8×1.25
- Number of switches: C4 Switch*3; E5 without
- Special structure: R Optical axis guide bracket; 无 Standard cylinder

Product parameter

Standard motor output(w)	100W		Step 42	
Static loading Moment(Nm)	0.32		0.25	
Repeatability(mm)	±0.02			
Screw specification	1210	1205	1210	1205
Maximum thrustN	170	340	125	250
Maximum speed(mm/s)	500	250	100	50
Max.Stroke (mm)	Standard cylinder: 400 Optical axis guide and guide rail guide cylinder: 250			
Maximum load	20			
Piston rod rotation Angle	Standard cylinder: 0.7 degree optical axis guidance and guide rail guidance cylinder: 0.06 degree			
Maximum driving torque	0.8			
Basic weight(kg)	Standard cylinder: 0.587			
Weight increase per 10mm cylinder body(KG)	Standard cylinder: 0.485			

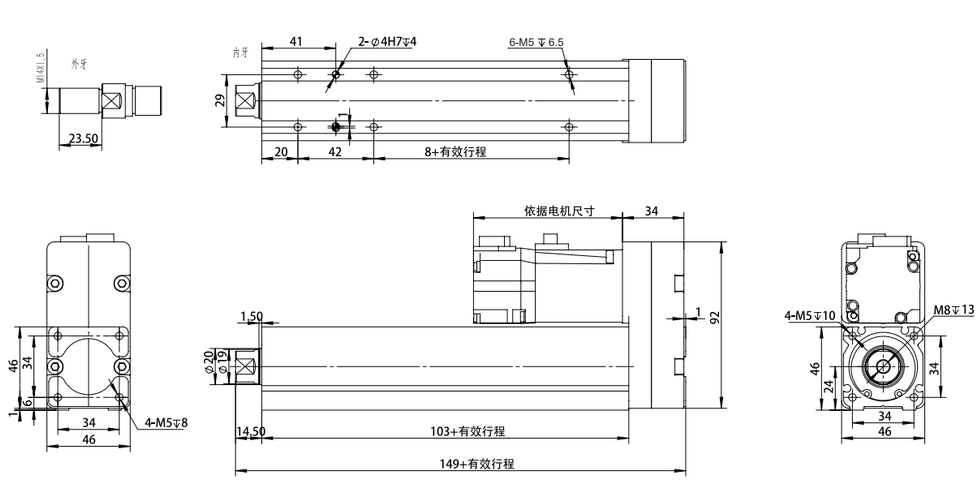
LC25-D

Unit:mm



LC25-D-R

Unit:mm



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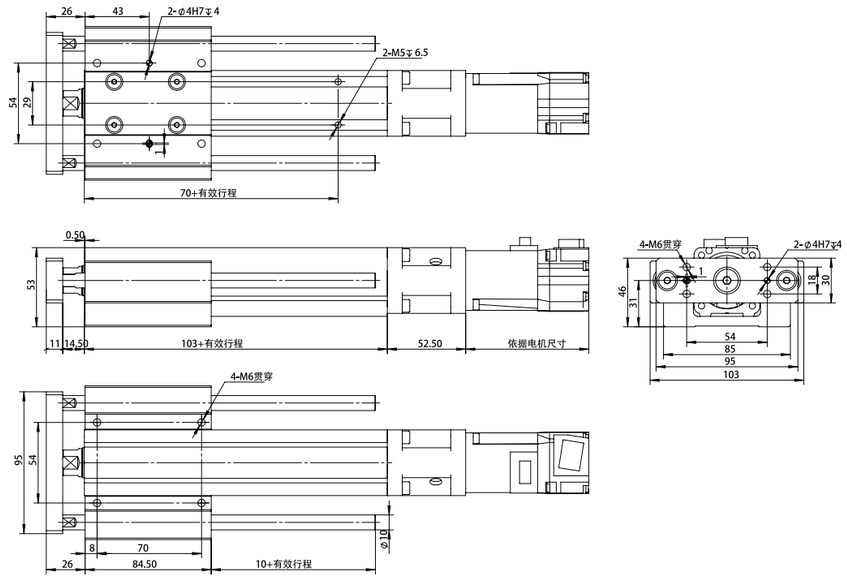
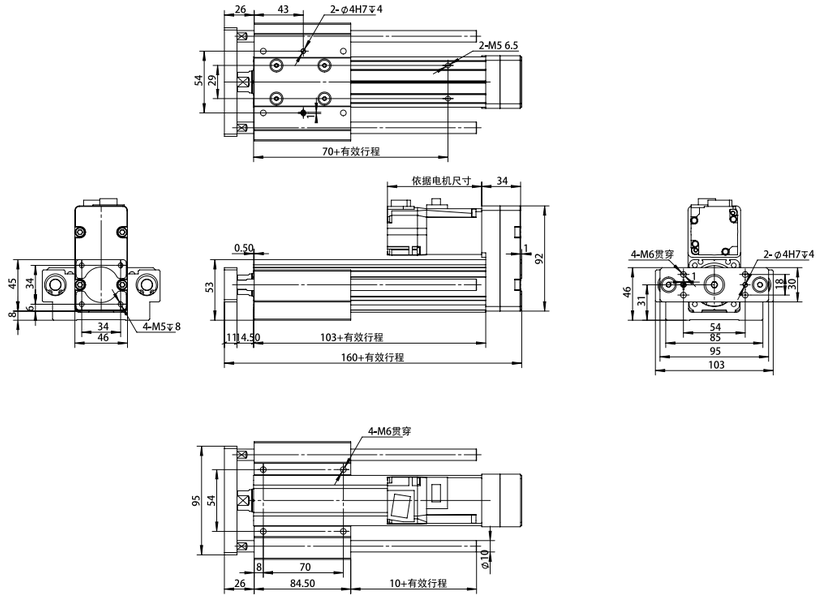
LC25-P

Unit:mm



LC25-P-R

Unit:mm



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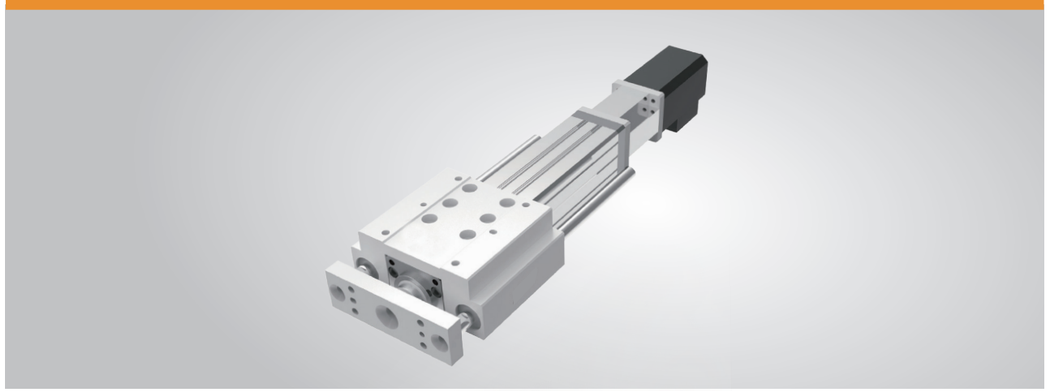
LC32 Compact electric cylinder

Broad entity **52mm**

Max. stroke **500mm**

Max. thrust **400N**



LC32 -L10 - 100 - D - S - 57 - A -S1 -R

Model

Ball Screw Lead

	05/10

Stroke

30	30mm
50	50mm
100	100mm

Motor Postion

D	Direct mounting
P	Indirect installation

Motor brand

M	Mitsubishi
P	Panasonic
Y	Yaskawa
T	Delta
O	Other

Motor power

Tooth form

A	M14×1.5
无	M8×1.25

Number of switches

C4	Switch*3
E5	without

Special structure

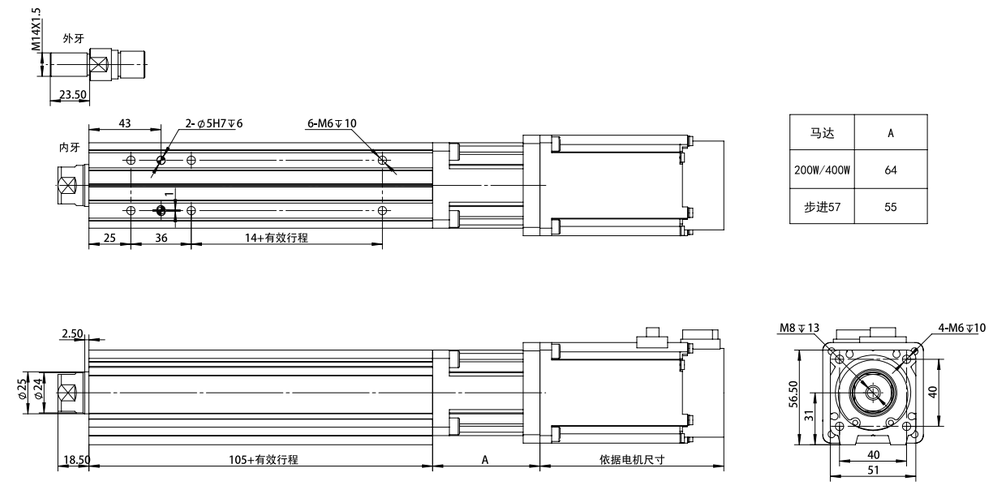
R	Optical axis guide bracket
无	Standard cylinder

Product parameter

Standard motor output(w)	200W		Step 57	
Static loading Moment(Nm)	0.64		0.3	
Repeatability(mm)	±0.02			
Screw specification	1205	1210	1205	1210
Maximum thrustN	690	350	300	150
Maximum speed(mm/s)	250	500	100	200
Max.Stroke（mm）	Standard bar: 500 Optical axis guide and guide rail guide cylinder: 300			
Maximum load	40			
Piston rod rotation Angle	±0.7 度			
Maximum driving torque	1.8			
Basic weight(kg)	0.869			
Weight increase per 10mm cylinder body(KG)	0.629			

LC32-D

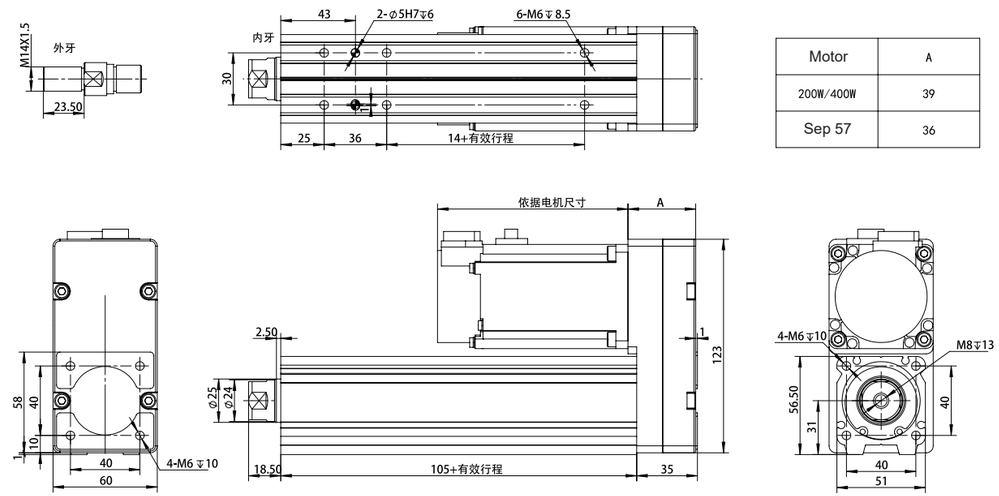
Unit:mm



马达	A
200W/400W	64
步进57	55

LC32-P

Unit:mm



Motor	A
200W/400W	39
Sep 57	36

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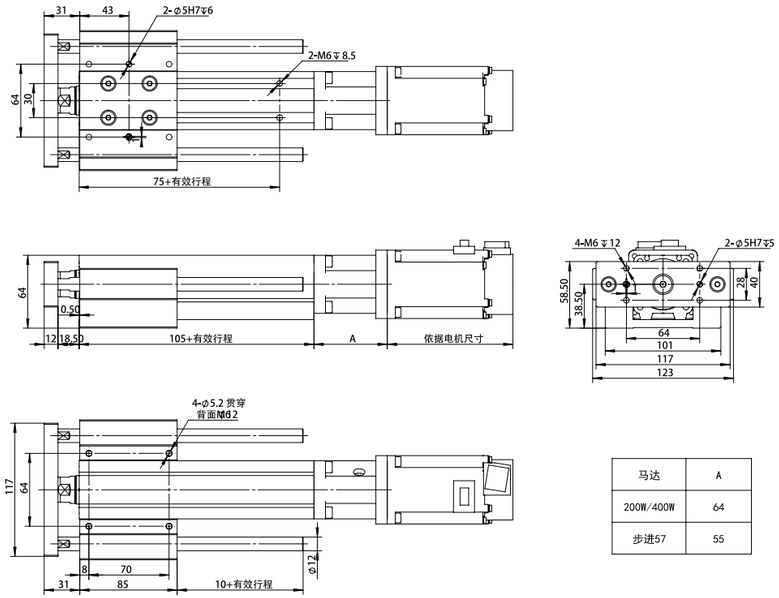
LC32-D-R

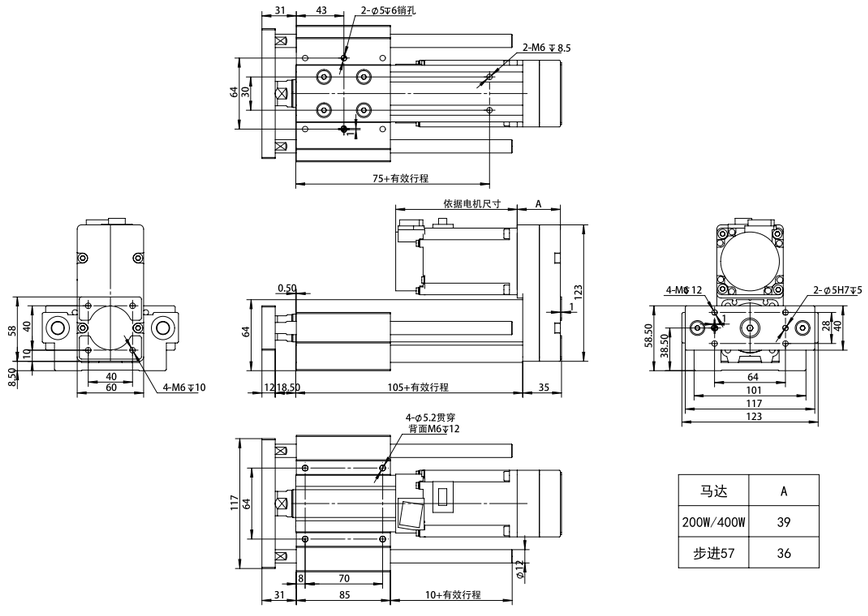
Unit:mm



马达	A
200W/400W	64
步进57	55

LC32-D-R

Unit:mm



马达	A
200W/400W	39
步进57	36

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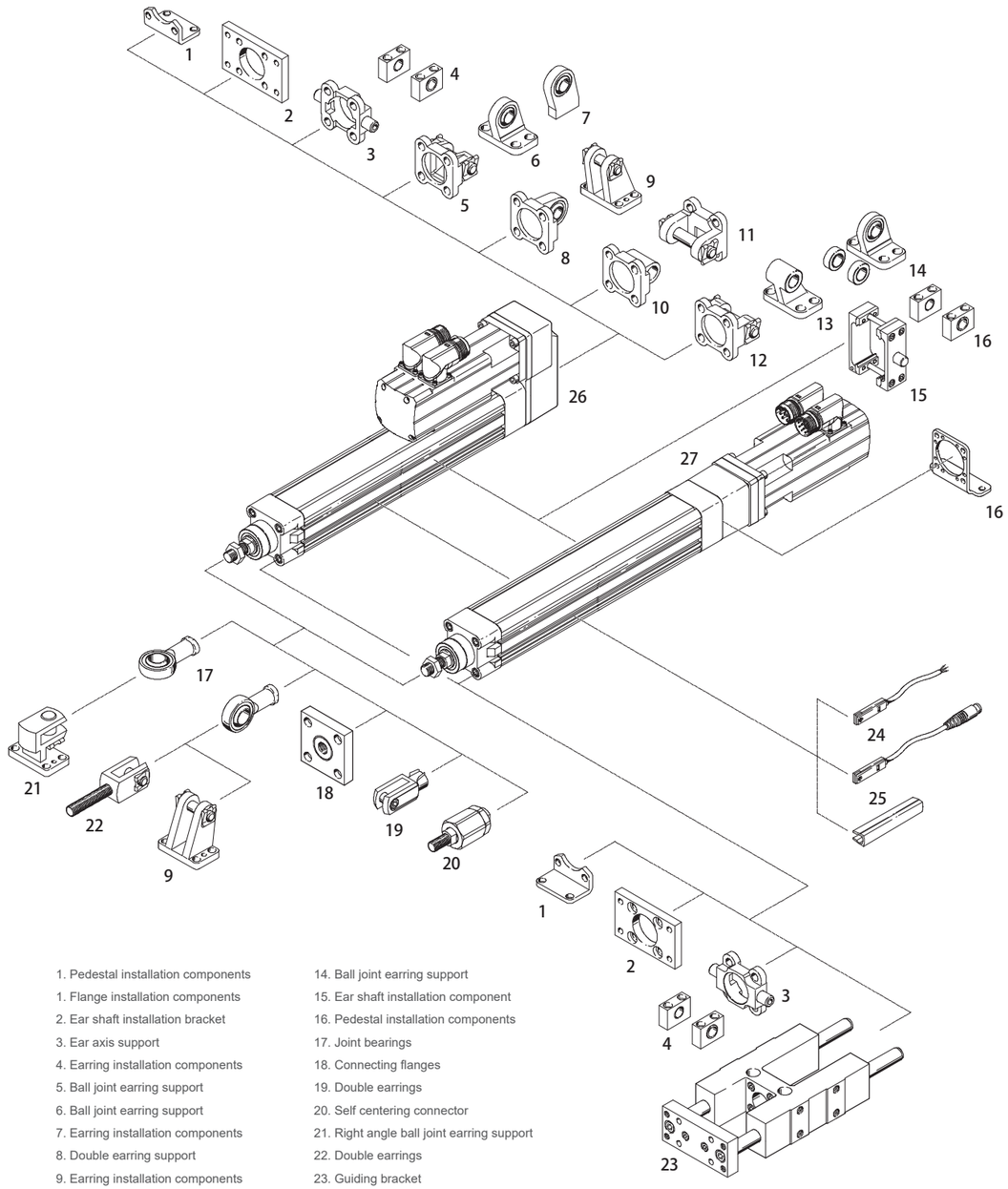
LE series

LE standard electric cylinder

Specific-ations	lead (mm)	Comparison Table of Standard Travel (mm) and Maximum Speed (mm/s)																
		≤ 250	300	350	400	450	500	550	600	700	800	900	1000	1100	1200	1300	1400	1500
LE40	5	250	227	179	144	119	99	85	73	55	44							
	10	500	455	358	289	238	199	170	146	111	88							
	20	1000	910	716	578	476	399	340	292	223	176							
LE50	5	250		235	191	158	133	113	97	75	59	48	39					
	10	500		471	382	316	266	226	195	150	118	96	79					
	20	1000		943	764	632	532	453	391	300	237	192	159					
LE63	5	250			232	193	163	140	121	93	74	60	50	42	36			
	10	500			465	387	327	280	242	187	148	120	100	84	72			
	25	1250			1164	969	818	700	607	467	371	302	250	211	180			
LE80	5	166							147	114	90	74	61	57	44			
	10	333							295	228	181	148	122	103	88			
	20	666							591	456	363	296	245	207	177			
LE100	5	166								132	105	85	71	60	51	44	38	34
	10	333								264	210	171	142	120	102	89	77	68
	20	666								528	421	343	285	240	205	178	155	137

	(mm)	Comparison Table of Screw Speed (rpm) and Axial Allowable Load (kg)																
		3000	2500	2000	1500	1200	1000	900	800	700	600	500	400	300	200	100	50	30
LE40	5	48	51	55	61	66	70	72	75	79	83	88	95	104	119	150	189	225
	10	36	39	42	46	50	53	55	57	59	62	66	71	78	90	113	143	169
	20	24	26	28	31	33	35	36	37	39	41	44	47	52	59	75	94	112
LE50	5	65	69	74	81	88	93	96	100	105	110	117	126	139	159	201	253	300
	10	66	70	75	83	90	95	99	102	107	113	120	119	142	163	205	258	306
	20	49	52	56	61	66	70	73	76	79	83	88	95	105	120	151	190	226
LE63	5	72	76	82	90	97	104	107	112	117	123	130	140	155	177	223	281	333
	10	71	76	81	90	97	103	106	111	116	122	129	139	163	176	221	279	330
	25	54	57	61	68	73	77	80	83	87	92	97	105	115	132	167	210	249
LE80	5			92	101	109	115	119	124	130	137	145	157	172	197	249	313	371
	10			122	135	145	154	160	166	174	183	194	209	231	264	332	419	497
	20			95	105	113	120	124	129	135	142	151	162	179	205	258	335	385
LE100	5			100	111	119	127	131	136	143	150	160	172	189	216	273	344	407
	10			251	276	297	316	327	340	356	375	398	429	472	540	681	857	1017
	20			197	217	234	248	257	268	280	294	313	337	371	425	535	674	799

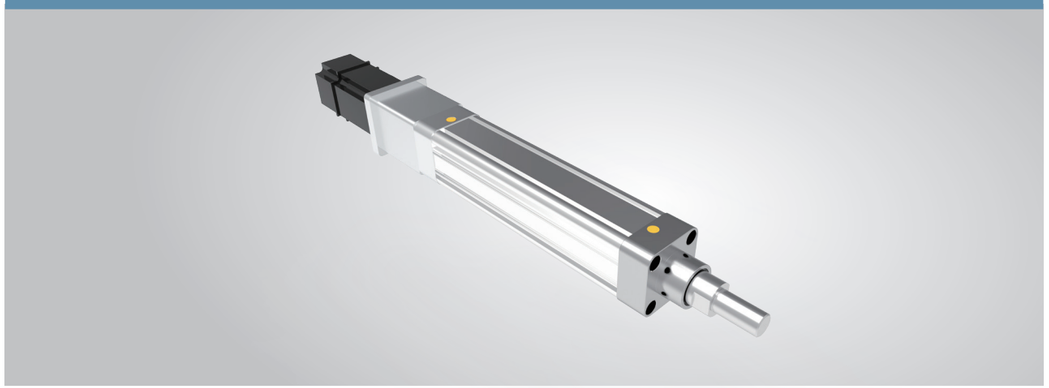
Note: The lifespan benchmark for axial allowable load is a cumulative operation of 20000 hours.



1. Pedestal installation components
1. Flange installation components
2. Ear shaft installation bracket
3. Ear axis support
4. Earring installation components
5. Ball joint earring support
6. Ball joint earring support
7. Earring installation components
8. Double earring support
9. Earring installation components
11/12. Earring installation components
13. Earring holder
14. Ball joint earring support
15. Ear shaft installation component
16. Pedestal installation components
17. Joint bearings
18. Connecting flanges
19. Double earrings
20. Self centering connector
21. Right angle ball joint earring support
22. Double earrings
23. Guiding bracket
24. Proximity switch
25. Groove cover

LE40 Standard electric cylinder

Broad entity **54mm**
Max. stroke **800mm**
Max. load **400N**



LE40 - L10 - 100 - D - M - 20 - C4

Model

Ball Screw Lead

05	5mm
10	10mm
20	20mm

Stroke

50-800mm
50mm interval

Motor Postion

D	Direct mounting
P	Indirect installation
无	Bare cylinder vacancy

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	delta
无	Bare cylinder vacancy

Motor power

10	-
20	200W
40	400W
75	-

Number of switches

C4	Switch*3
E5	without

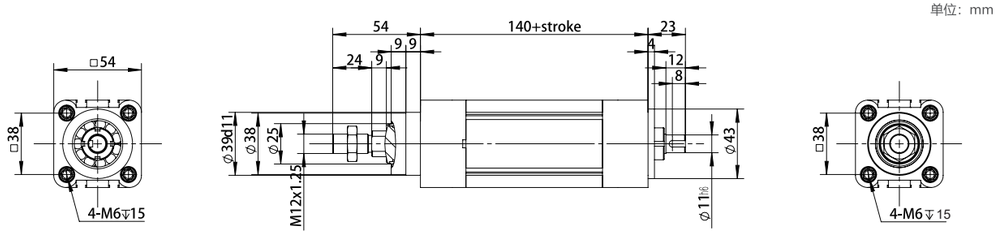
Product parameter

Standard motor output(w)	200W/400W		
Static loading Moment	0.64/1.27		
Maximum allowable input torque(Nm)	9		
Repeatability(mm)	±0.02		
Piston rod rotation Angle	±0.5		
Screw lead (mm)	5	10	20
Rated output (N)	720/1440	360/720	180/360
Maximum static pushing pressure (N)	3040	2890	2400
Maximum speed	250	500	1000
Range of travel	0-800		
Cylinder body Omm stroke mass (kg)	1.6		
Stroke added mass /100mm(kg)	0.61		
Directly install the relevant component quality(kg)	0.3		
Indirect mounting related component mass (kg)	0.6		

LE40- bare tank

单位 Unit：mm

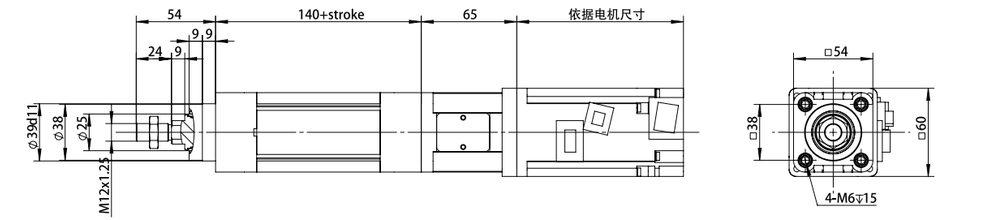
单位：mm



LE40- D-M200W

单位 Unit：mm

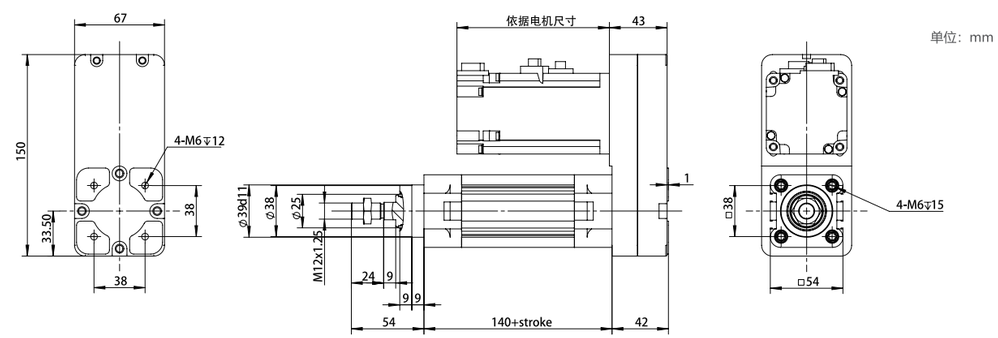
单位：mm



LE40- P-M200W

单位 Unit：mm

单位：mm



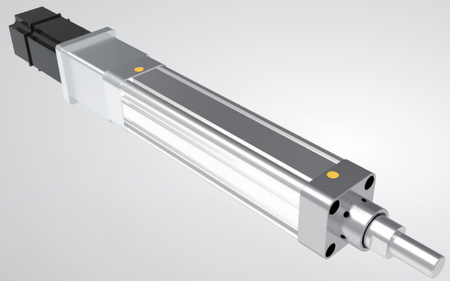
This drawing is for reference only, and the actual dimensions are subject to the 2D/3D drawings provided. Changes in product style, appearance, and specifications will not be notified separately.

LE50 Standard electric cylinder

Broad entity **64mm**

Max. stroke **1000mm**

Max. load **2700N**



LE50 - L10 - 100 - D - M - 40 - C4

Model

Ball Screw Lead

05	5mm
10	10mm
20	20mm

Stroke

50-1000mm
50mm interval

Motor Postion

D	Direct mounting
P	Indirect installation
无	Bare cylinder vacancy

Motor brand

M	Mitsubishi
P	Panasonic
Y	Yaskawa
T	Delta
无	Bare cylinder vacan

Motor power

10	-
20	-
40	400W
75	750W

Number of switches

C4	Switch*3
E5	without

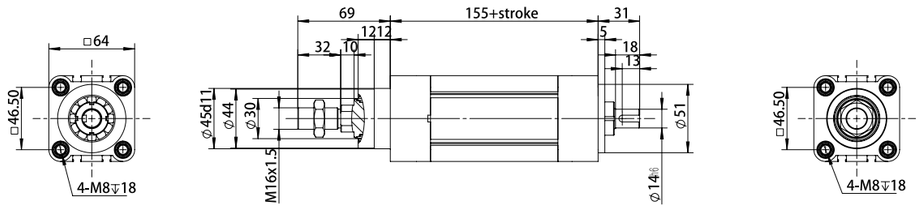
产品参数 Product parameter

Standard motor output(w)	400W/750W		
Static loading Moment	1.27/2.39		
Maximum allowable input torque(Nm)	18		
Repeatability(mm)	±0.02		
Piston rod rotation Angle	±0.5		
Screw lead(mm)	5	10	20
Rated output (N)	1440/2700	720/1350	360/675
Maximum static pushing pressure (N)	4060	5230	4860
Maximum speed	250	500	1000
Range of travel	0-1000		
Cylinder body Omm stroke mass (kg)	2.6		
Stroke added mass /100mm(kg)	0.87		
Directly install the relevant component quality	0.4/0.5		
Indirect mounting related component mass (kg)	0.7/1.1		

LE50- bare tank

单位 Unit:mm

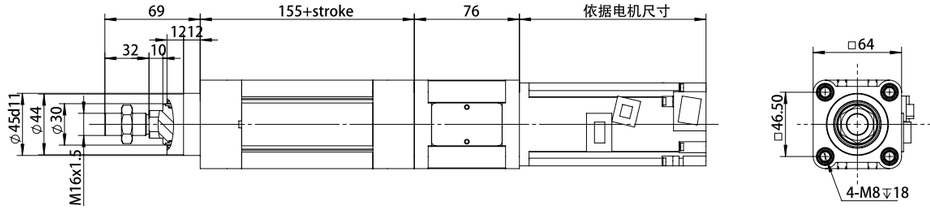
单位：mm



LE50- D-M400W

单位 Unit:mm

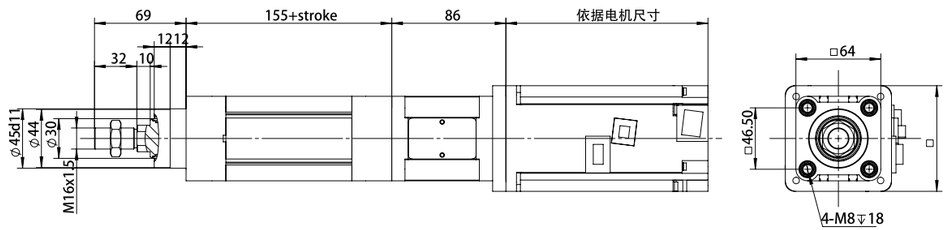
单位：mm



LE50- D-M750W

单位 Unit:mm

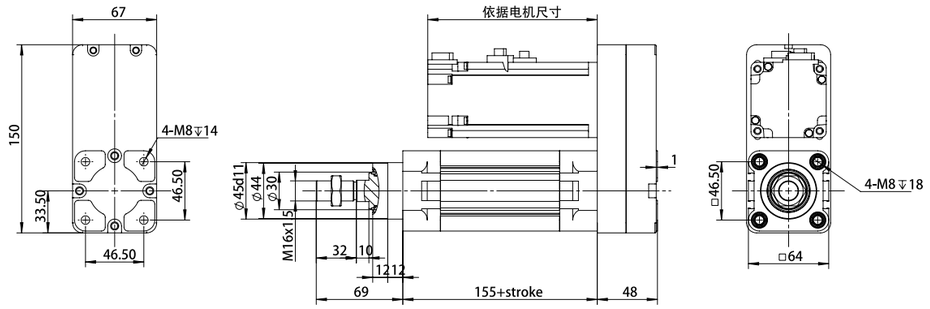
单位：mm



本图面仅供参考用途，实际尺寸皆以实际提供之 2D/3D 图纸为准，产品样式外观、规格的变更恕不另行通知。

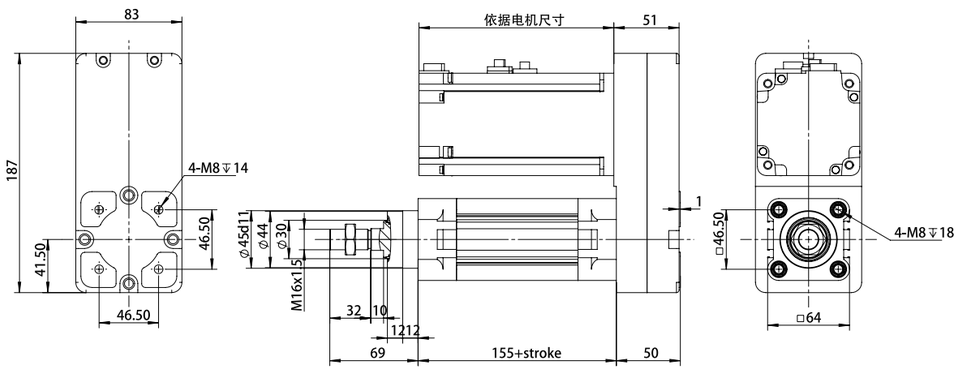
LE50-P-M400W

Unit:mm



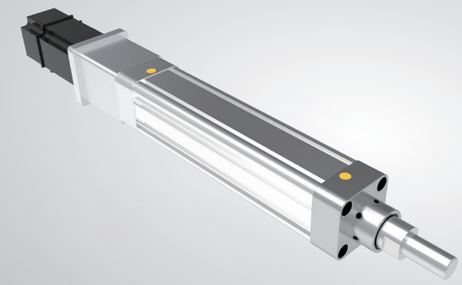
LE50-P-M400W

Unit:mm



LE63 Standard electric cylinder

Broad entity **75mm** | Max. stroke **120mm** | Max. load **2700N**



LE63 - L10 - 100 - D - M - 75 - C4

Model

Ball Screw Lead

05	5mm
10	10mm
25	25mm

Stroke

50-1200mm

50mm interval

Motor Postion

D	Direct mounting
P	Indirect installation
无	Bare cylinder vacancy

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	delta
无	Bare cylinder vacancy

Motor power

10	-
20	-
40	-
75	750W

Number of switches

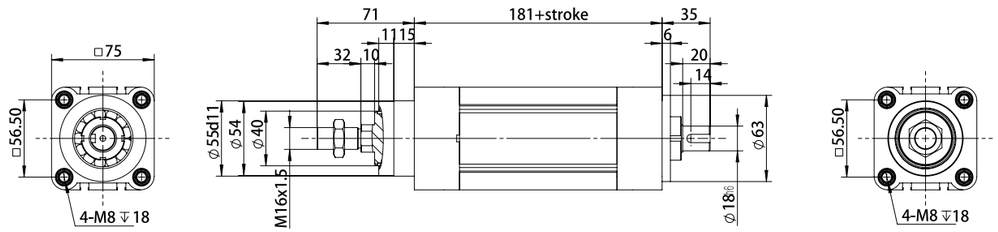
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	750W		
Static loading Moment	2.39		
Maximum allowable input torque(Nm)	26		
Repeatability(mm)	±0.02		
Piston rod rotation Angle	±0.5		
Screw lead (mm)	5	10	25
Rated output (N)	2700	1350	540
Maximum static pushing pressure (N)	4520	5650	5770
Maximum speed	250	500	1250
Range of travel	0-1200		
Cylinder body Omm stroke mass (kg)	4.5		
Stroke added mass /100mm(kg)	1.31		
Directly install the relevant component quality	0.8		
Indirect mounting related component mass (kg)	1.2		

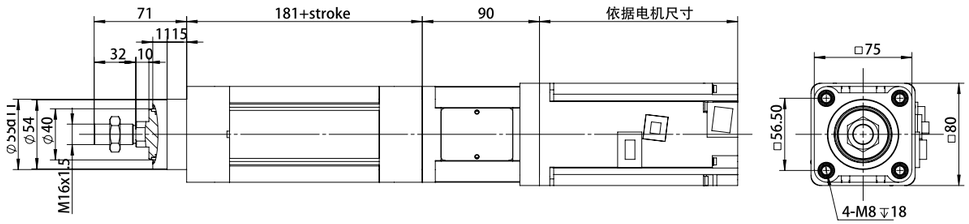
LE63- bare tank

Unit:mm



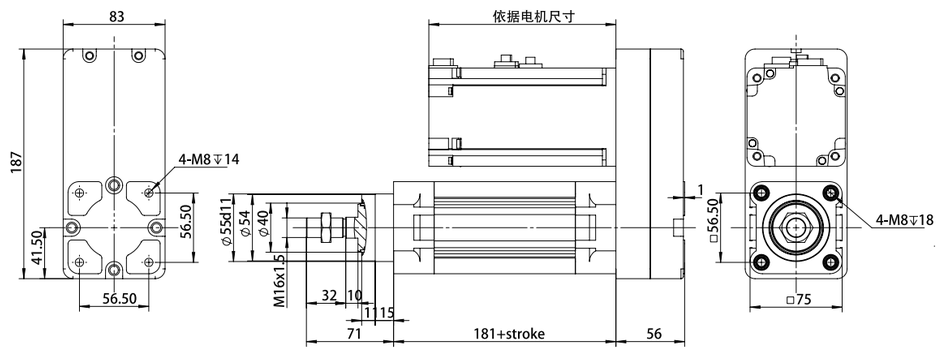
LE63-D-M750W

Unit:mm



LE63- P-M750W

Unit:mm



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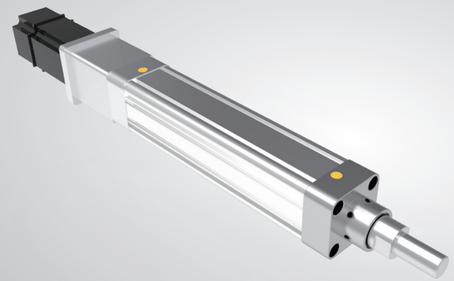
LE80 Standard electric cylinder

Broad entity **95mm** | Max. stroke **1200mm** | Max. thrust **5400N**



LE80 - L10 - 100 - D - M - 1K - C4

Model

Ball Screw Lead

05	5mm
10	10mm
20	20mm

Stroke

50-1200mm
50mm interval

Motor Postion

D	Direct mounting
P	Indirect installation
无	Bare cylinder vacancy

Motor brand

M	Mitsubishi
P	Panasonic
Y	Yaskawa
T	Delta
无	Bare cylinder vacancy

Motor power

1k	1000W
1.5k	-

Number of switches

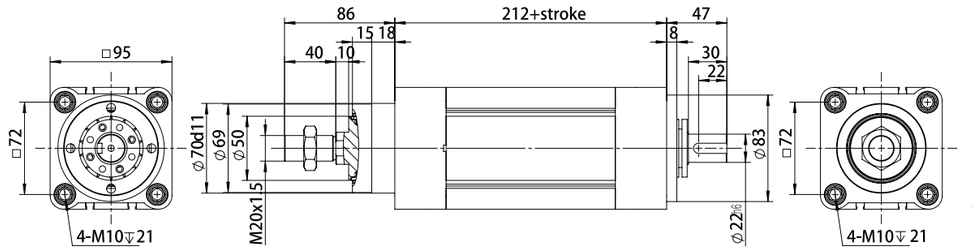
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	1000W		
Static loading Moment	4.77		
Maximum allowable input torque(Nm)	37		
Repeatability(mm)	±0.02		
Piston rod rotation Angle	±0.5		
Screw lead（mm）	5	10	20
Rated output (N)	5400	2700	1350
Maximum static pushing pressure (N)	5030	8490	8290
Maximum speed	166	333	666
Range of travel	0-1200		
Cylinder body Omm stroke mass (kg)	8		
Stroke added mass /100mm(kg)	2.31		
Directly install the relevant component quality	1.6		
Indirect mounting related component mass (kg)	3.5		

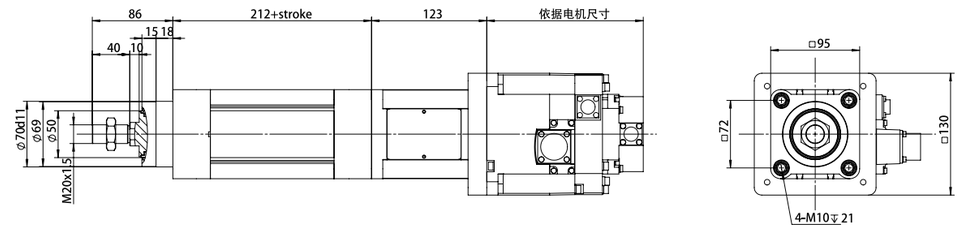
LE80- bare tank

Unit:mm



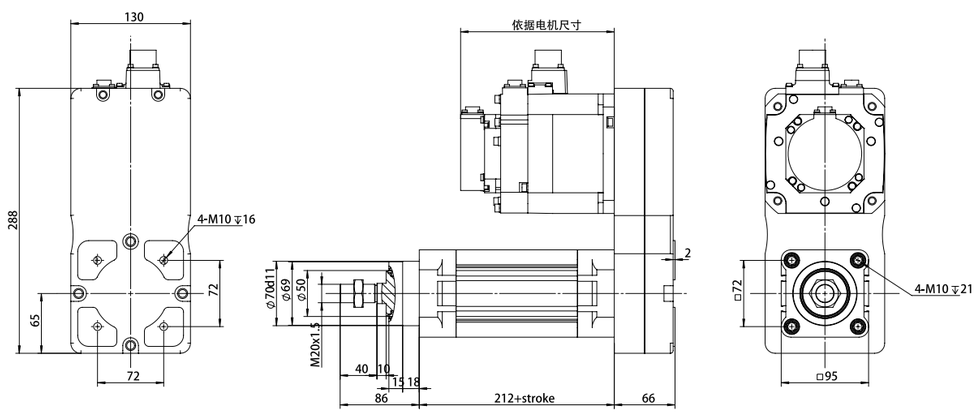
LE80-D-M1000W

Unit:mm



LE80-P-M1000W

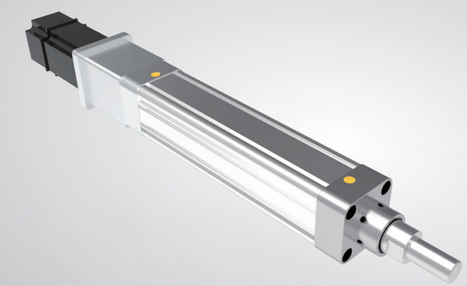
Unit:mm



LG series
LH series
LC series
LE series
LA series

LE100 Standard electric cylinder

Broad entity **110mm** | Max. stroke **1500mm** | Max. thrust **8100N**



LE100 - L10 - 100 - D - M - 1K - C4

Model

Ball Screw Lead

05	5mm
10	10mm
20	20mm

Stroke

50-1500mm
50mm interval

Motor Postion

D	Direct mounting
P	Indirect installation
无	Bare cylinder vacancy

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	delta
无	Bare cylinder vacancy

Motor power

1k	-
1.5k	1500W

Number of switches

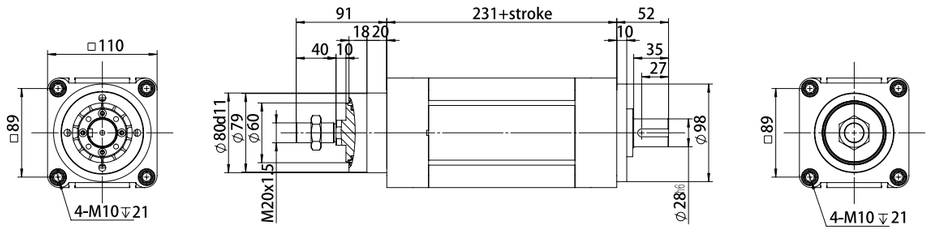
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	1500W		
Static loading Moment(Nm)	7.16		
Maximum allowable input torque(Nm)	101		
Repeatability(mm)	±0.02		
Piston rod rotation Angle	±0.5		
Screw lead（mm）	5	10	20
Rated output (N)	8100	4050	2025
Maximum static pushing pressure (N)	5520	17380	17220
Maximum speed	166	333	666
Range of travel	0-1500		
Cylinder body Omm stroke mass (kg)	12		
Stroke added mass /100mm(kg)	2.9		
Directly install the relevant component quality	3		
Indirect mounting related component mass (kg)	4		

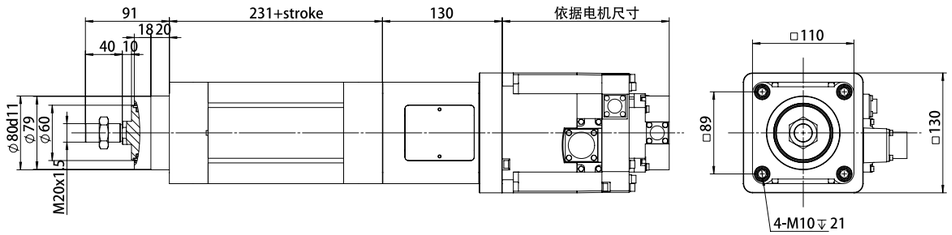
LE100- bare tank

单位 Unit:mm



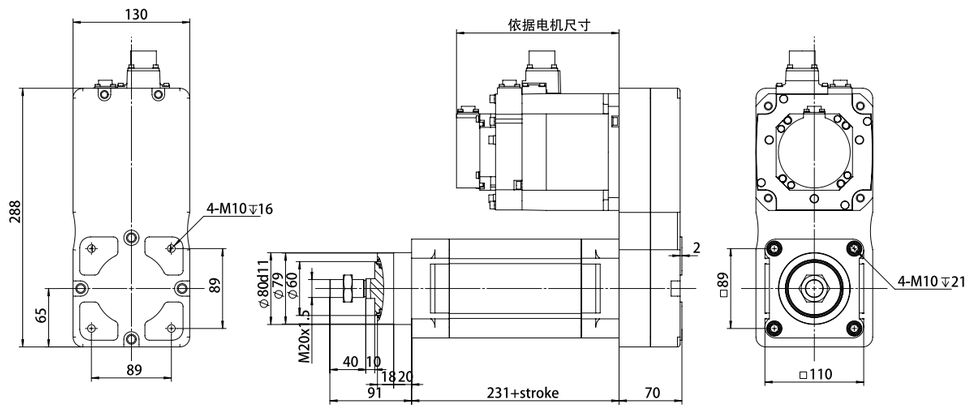
LE100-D-M1500W

单位 Unit:mm



LE100-P-M1500W

单位 Unit:mm



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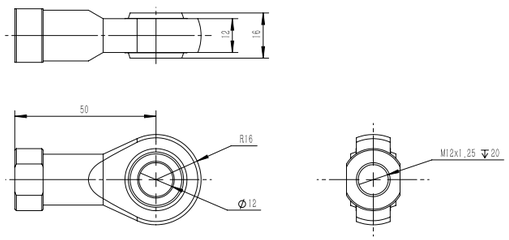
Standard accessories - fisheye connectors

Specifications	Fish eye joint ordering model
LE40	F-M12X125U
LE50	F-M16X150U
LE63	
LE80	F-M20X150U
LE100	

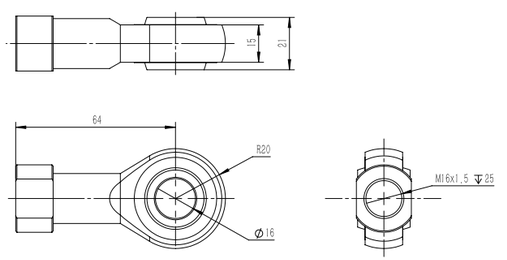
F-M12X125U

Unit:mm



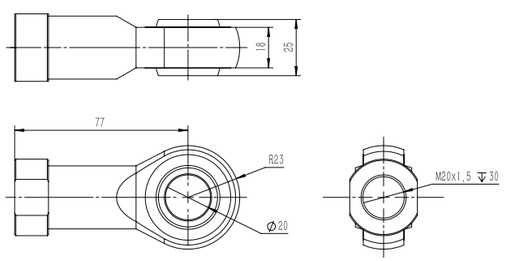
F-M16X150U

Unit:mm



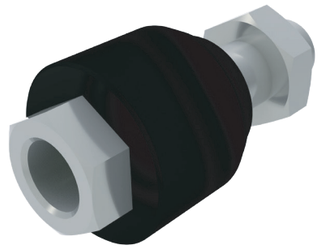
F-M20×150U

Unit:mm



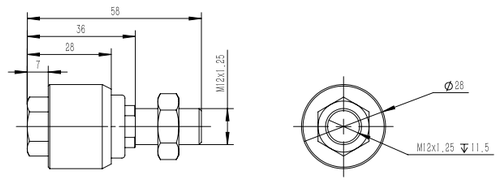
Standard accessories - Floating joint

Specifications	Floating connector ordering model
LE40	F-M12X125F
LE50	F-M16X150F
LE63	
LE80	F-M20X150F
LE100	



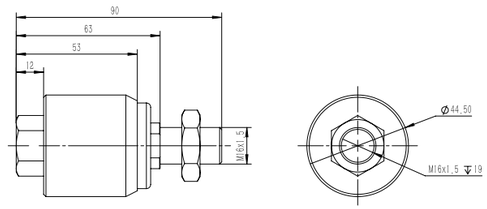
F-M12X125F

Unit:mm



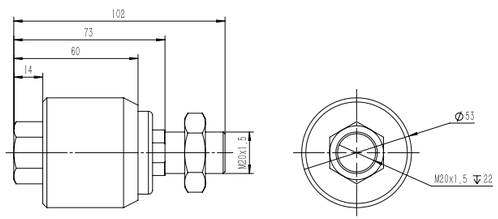
F-M16X150F

Unit:mm



F-M20X150F

Unit:mm

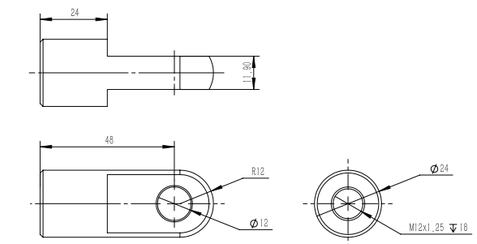


Standard accessories - Type I joint

Specifications	Type I connector ordering model
LE40	F-M12X125I
LE50	F-M16X150I
LE63	
LE80	F-M20X150I
LE100	

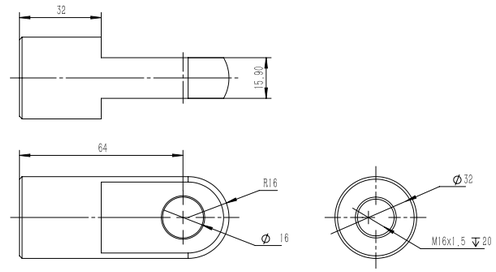
F-M12X125I

Unit:mm



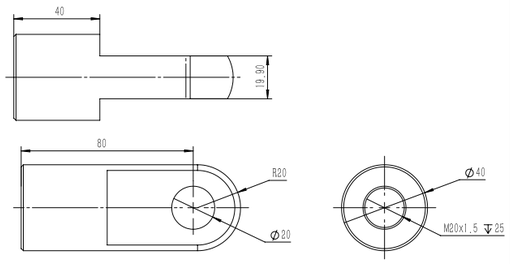
F-M16X150I

Unit:mm



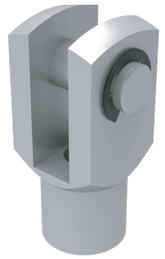
F-M20X125I

Unit:mm



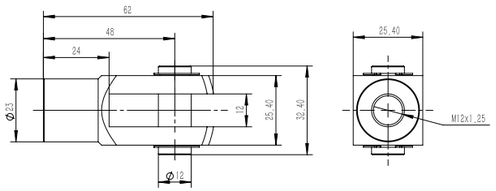
Standard accessories - Type Y joint

Specifications	Y-shaped connector ordering model
LE40	F-M12X125Y
LE50	F-M16X150Y
LE63	
LE80	F-M20X150Y
LE100	



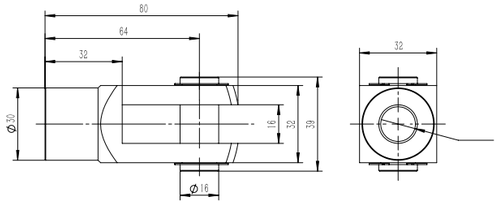
F-M12X125Y

Unit:mm



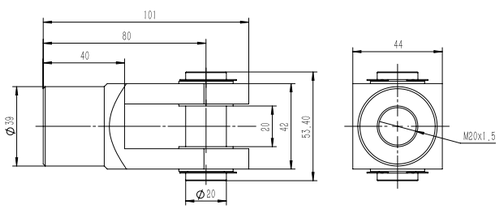
F-M16X150Y

Unit:mm



F-M20X125Y

Unit:mm



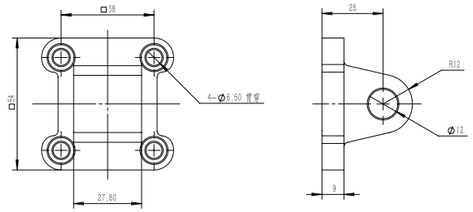
LG series
LH series
LC series
LE series
LA series

Standard accessories - Single earring

Specifications	Single earring ordering model
LE40	F-LE40CA
LE50	F-LE50CA
LE63	F-LE63CA
LE80	F-LE80CA
LE100	F-LE100CA

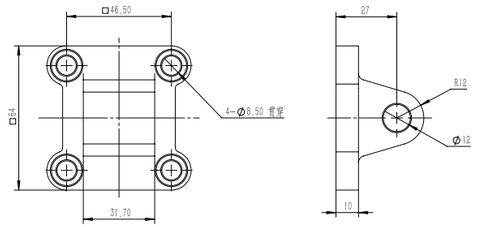
F-LE4OCA

Unit:mm



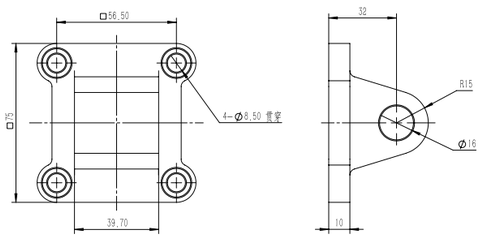
F-LE5OCA

Unit:mm



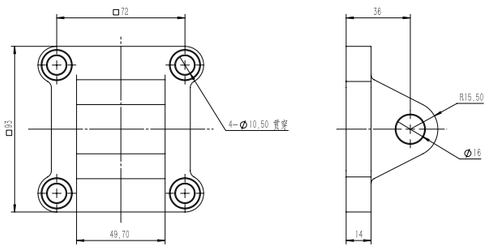
F-LE63CA

Unit:mm



F-LE80CA

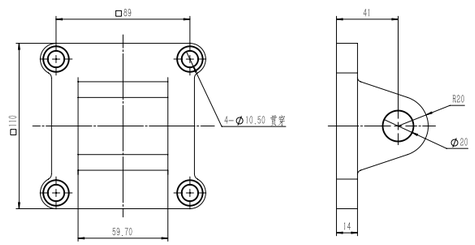
Unit:mm



Standard accessories - Single earring

F-LE100CA

Unit:mm



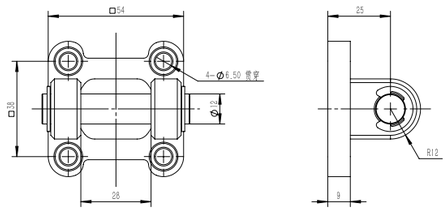
Standard accessories - Pair of earrings

Specifications	Double Earrings Ordering Model
LE40	F-LE40CB
LE50	F-LE50CB
LE63	F-LE63CB
LE80	F-LE80CB
LE100	F-LE100CB

Standard accessories - Pair of earrings

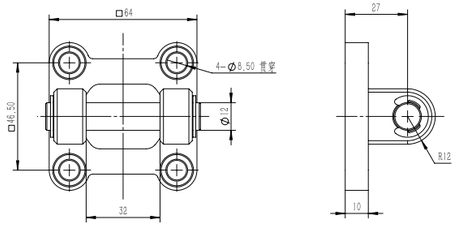
F-LE4OCB

Unit:mm



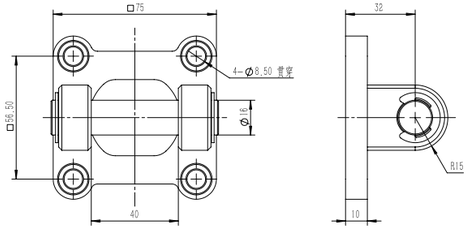
F-LE5OCB

Unit:mm



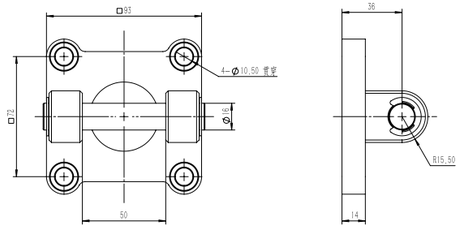
F-LE63CB

Unit:mm



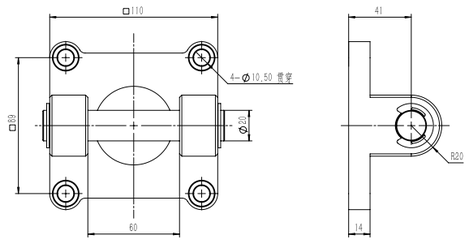
F-LE80CB

Unit:mm



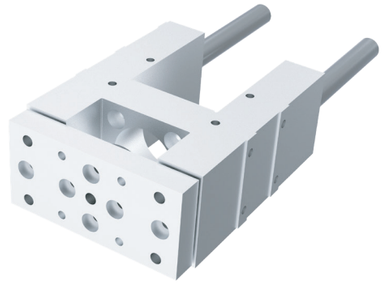
F-LE100CB

Unit:mm



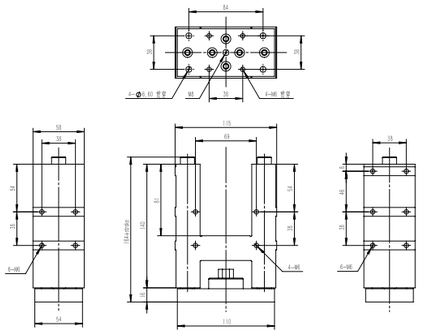
Standard accessories - Guide bracket

Specifications	Guiding bracket ordering model
LE40	F-LE40DX-stroke
LE50	F-LE50DX-stroke
LE63	F-LE63DX-stroke
LE80	F-LE80DX-stroke
LE100	F-LE10ODX-stroke



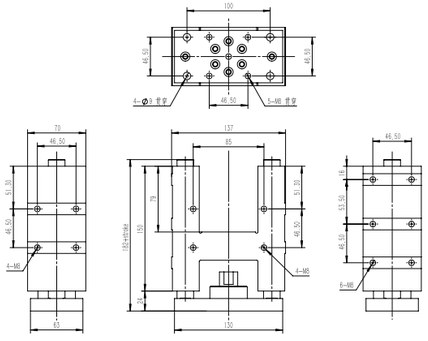
F-LE40DX- stroke

Unit:mm



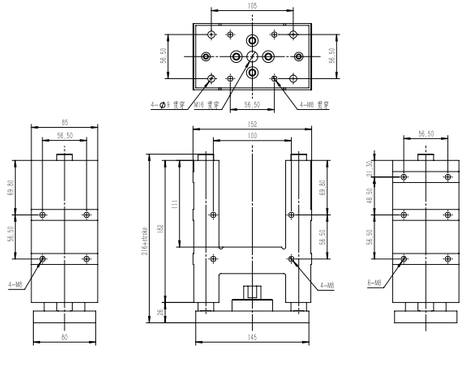
F-LE50DX- stroke

Unit:mm



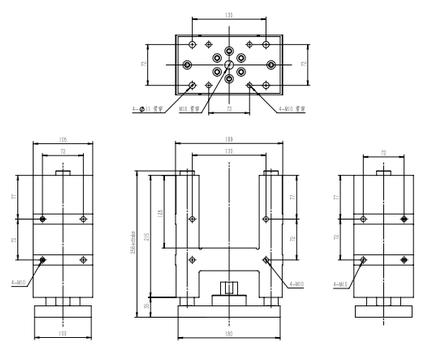
F-LE63DX- stroke

Unit:mm



F-LE80DX- stroke

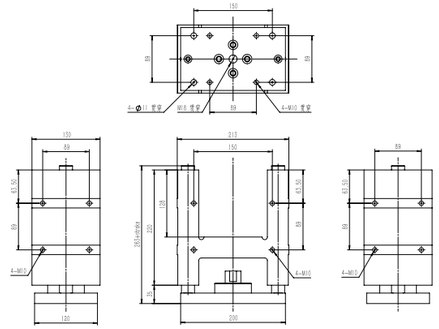
Unit:mm



Standard accessories - Guide bracket

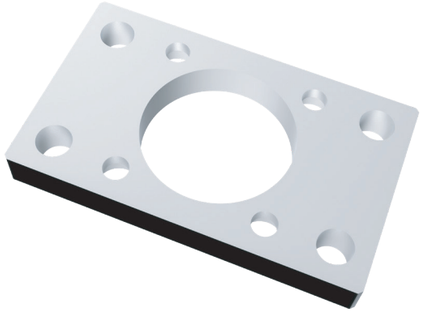
F-LE100DX- stroke

Unit:mm



Standard accessories - Front flange

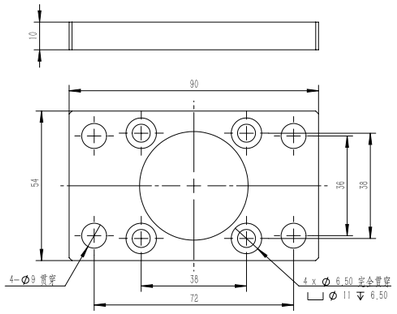
Specifications	Front end flange ordering model
LE40	F-LE40FF
LE50	F-LE50FF
LE63	F-LE63FF
LE80	F-LE80FF
LE100	F-LE100FF



Standard accessories - Front flange

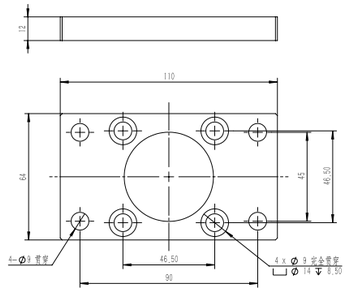
F-LE40FF

Unit:mm



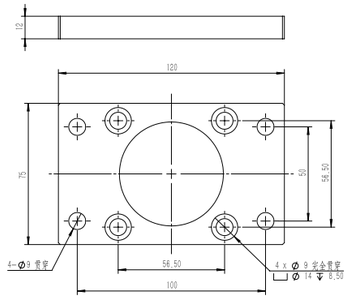
F-LE50FF

Unit:mm



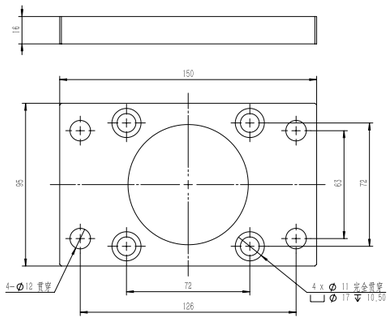
F-LE63FF

Unit:mm



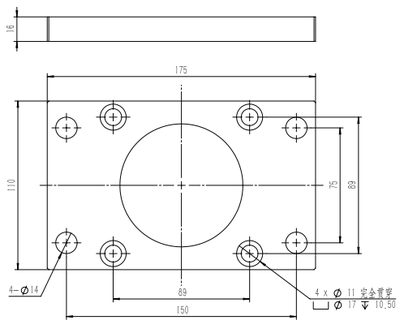
F-LE80FF

Unit:mm



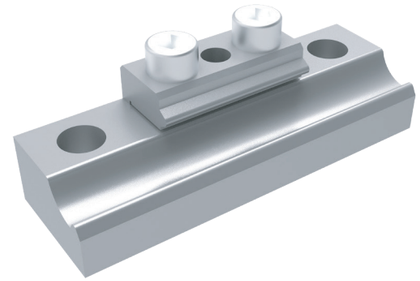
F-LE100FF

Unit:mm



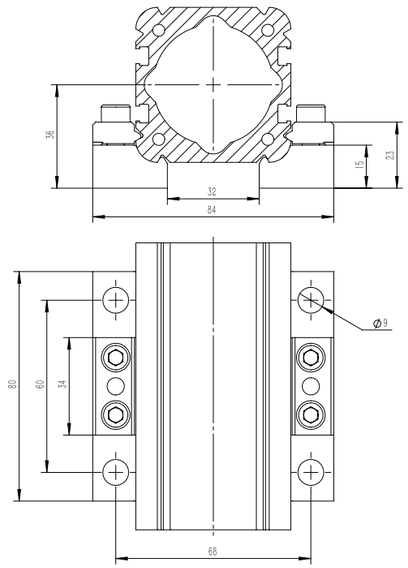
Standard accessories - briquetting

Specifications	Block ordering model
LE40	F-LE40YK
LE50	F-LE50YK
LE63	F-LE63YK
LE80	F-LE80YK



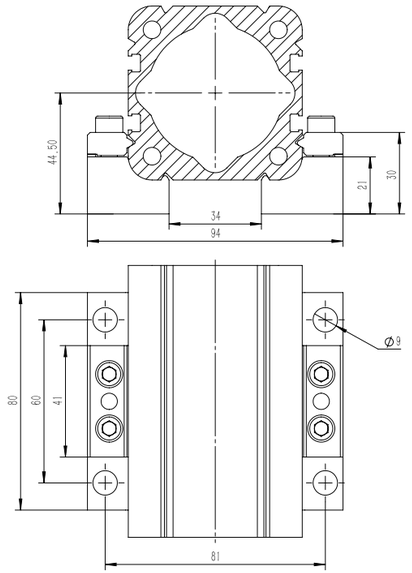
F-LE40YK

Unit:mm



F-LE50YK

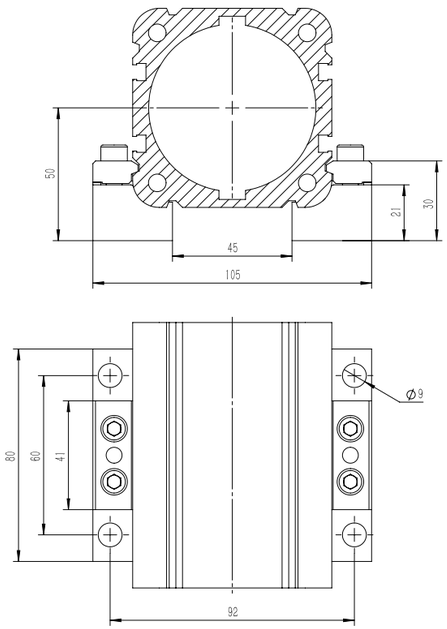
Unit:mm



Standard accessories - briquetting

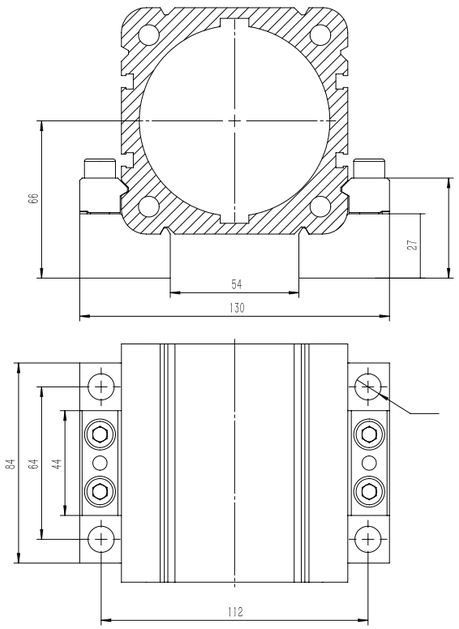
F-LE63YK

Unit:mm



F-LE80YK

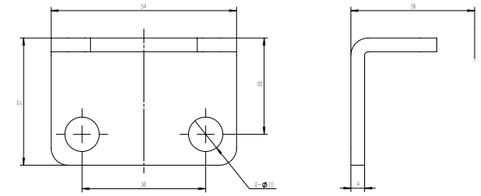
Unit:mm



Standard accessories - bipod

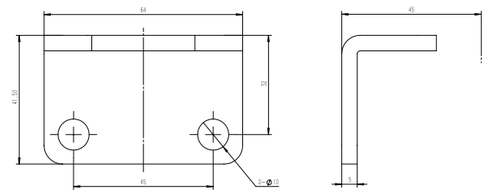
F-LE40LB

Unit:mm



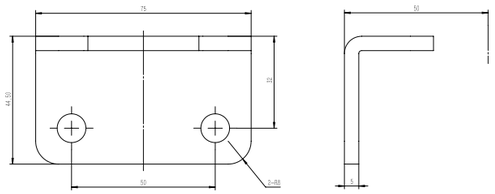
F-LE50LB

Unit:mm



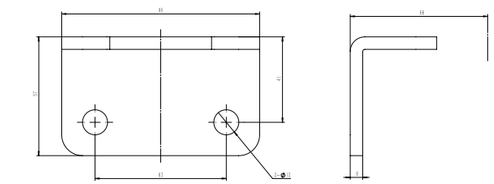
F-LE63LB

Unit:mm



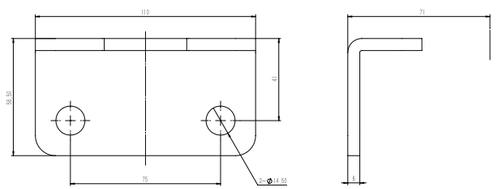
F-LE80LB

Unit:mm



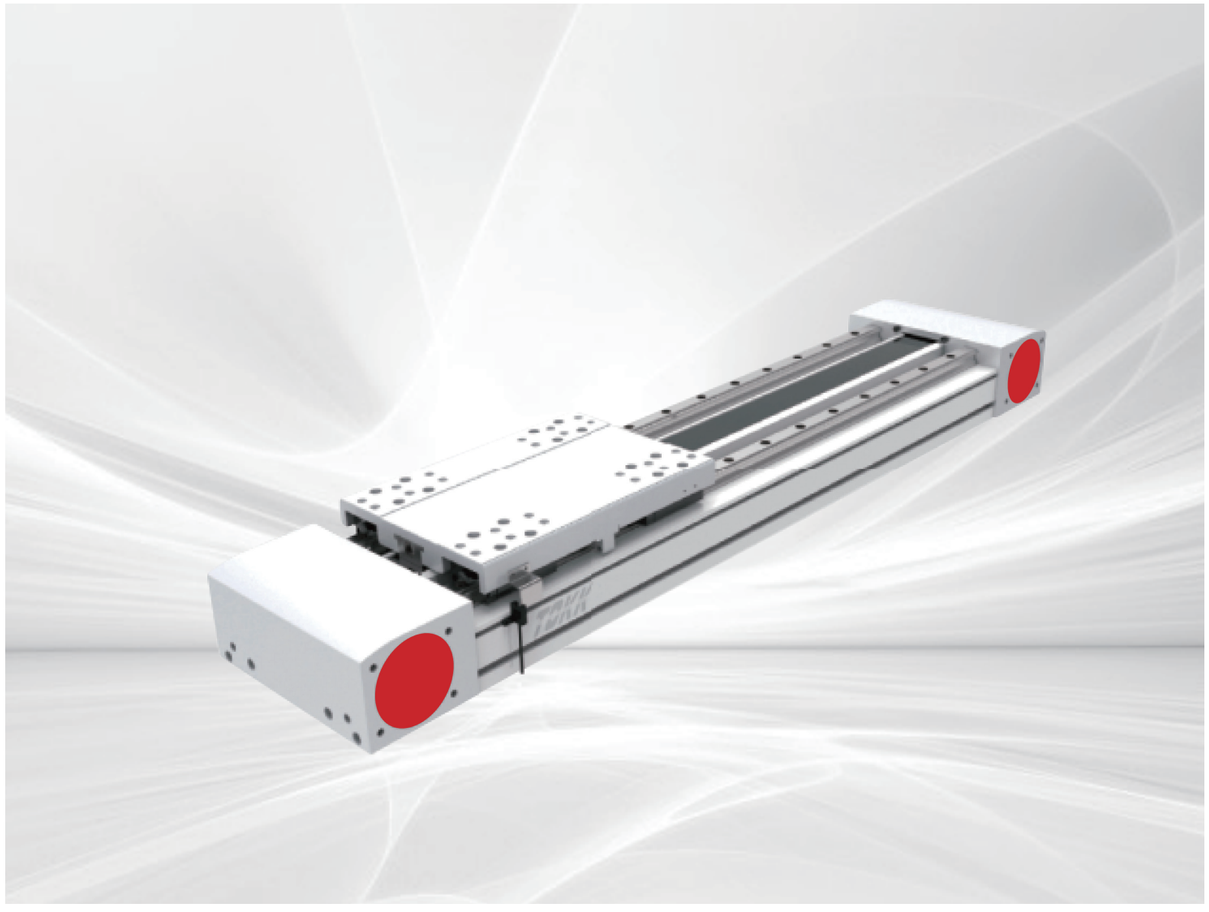
F-LE100LB

Unit:mm



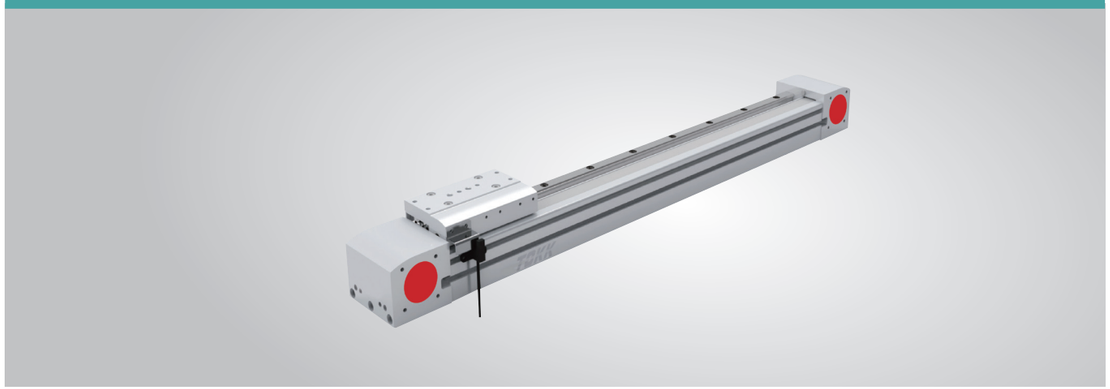
EGK series
Timing belt module

EGK Series - Synchronous Belt Module



EGK70

Broad entity **69mm** | Max. stroke **5000mm** | Max. load **15kg**



EGK70 - 400 - R - D - M - 20 - C4

Model

Stroke

100-6000mm
100 interval

Off-axis direction

L	Left exit axis
R	Right exit axis
B	Dual output shaft

Motor Postion

D	Direct mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	Yaskawa
T	Delta

Motor power

05	-
10	-
20	200W
40	400W

number of switches

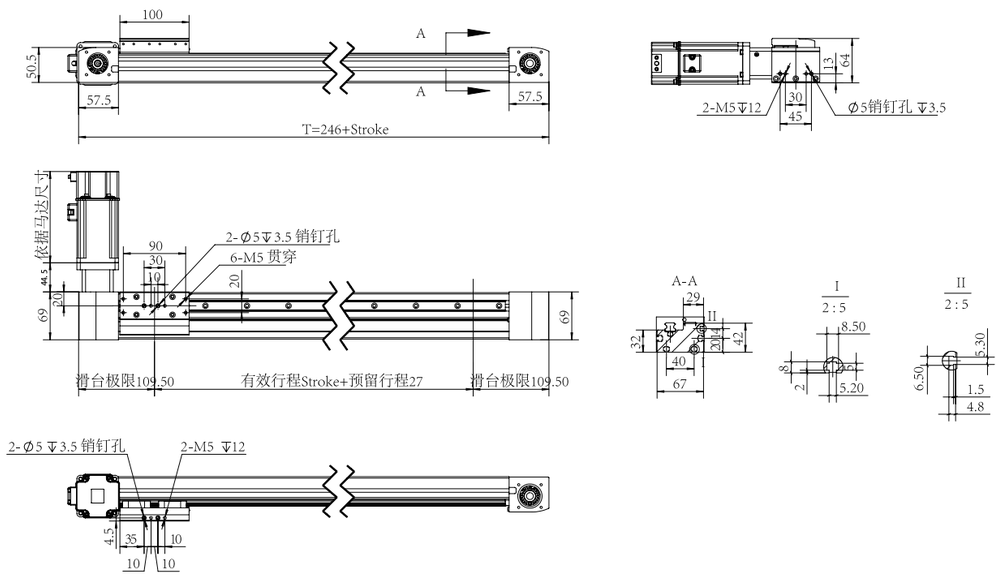
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)		200W			400W		
Static loading Momen(Nm)t		0.64			1.27		
Repeatability(mm)		±0.08					
Max.Stroke(mm)		100-5000mm/Interval 50mm					
Specification		15 × 3 (lead 78mm)					
Reduction ratio		无	3:1	/	无	3:1	/
Max.Speed (mm/s)		3900	1300	/	3900	1300	/
Max. Horizontal load(KG)		4	12	/	8	15	/
Max. Payload(KG)	EGK70	12					
	EGK70L	15					
Basic weight (0mmstrokekg)		EGK70:3.67			EGK70L:4.08		
Add mass(KG per 100mm stroke)		0.34					

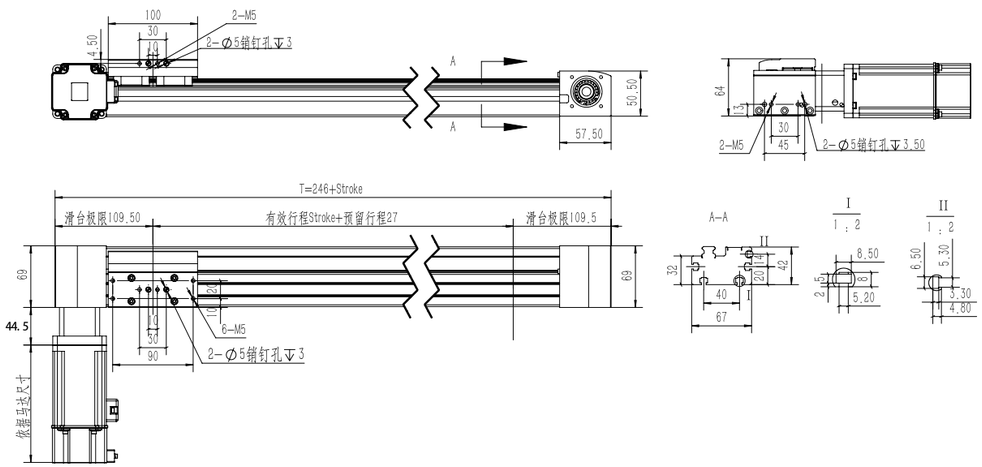
EGK70-L-D

Unit:mm



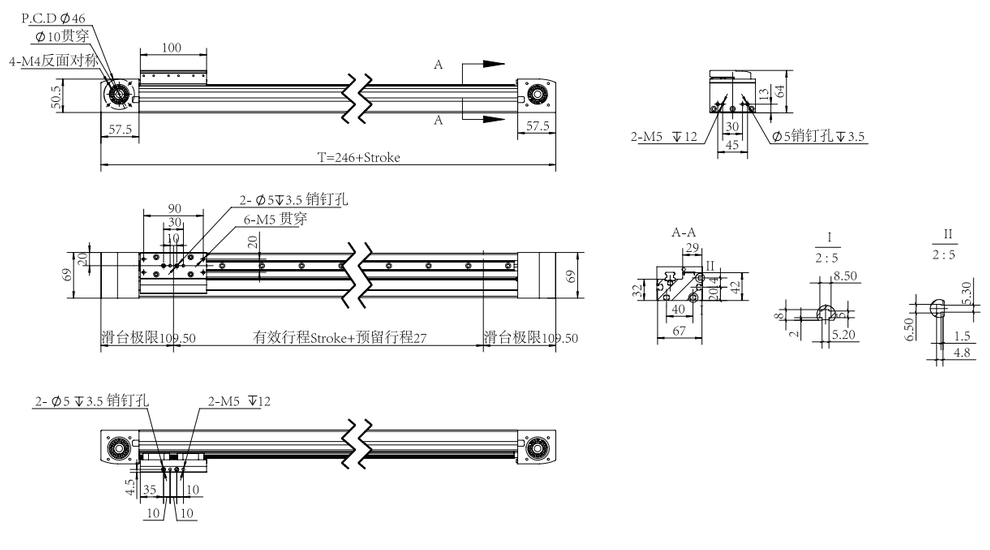
EGK70-R-D

Unit:mm



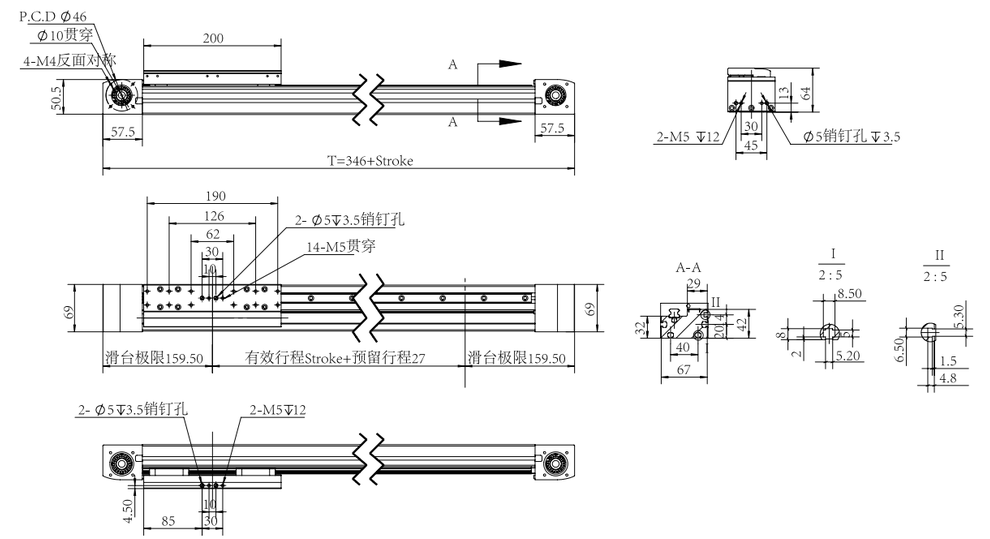
EGK70 bare tank

Unit:mm



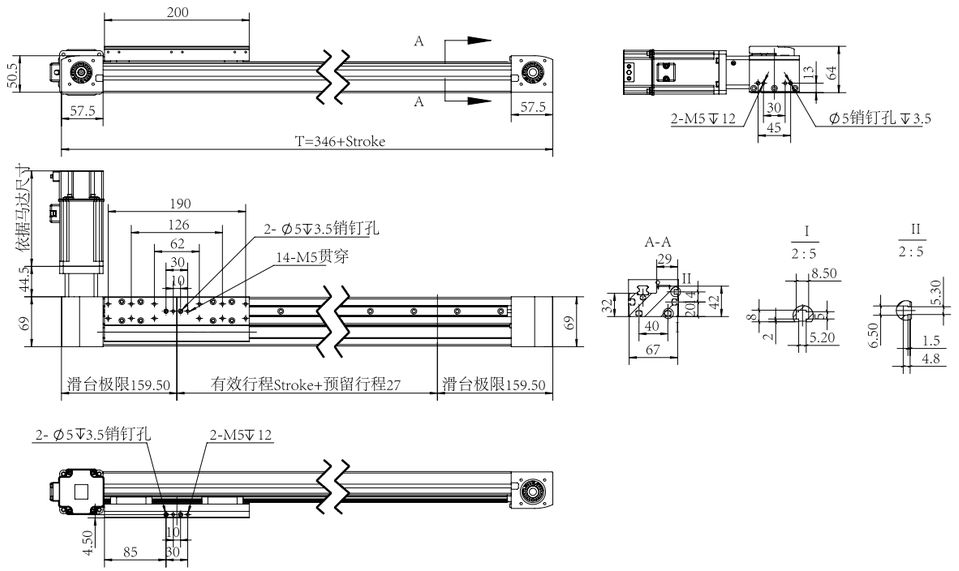
EGK70L bare tank

Unit:mm



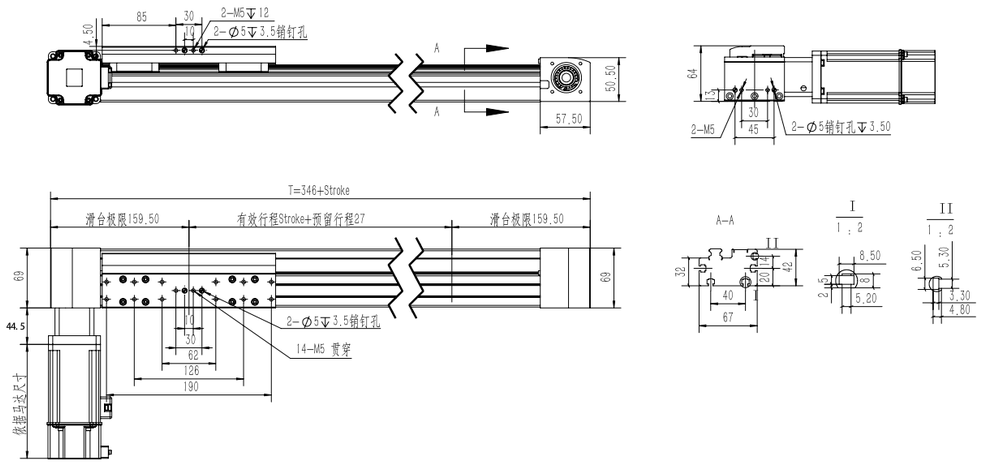
EGK70L-L-D

Unit:mm



EGK70L-R-D

Unit:mm



MEMO

EGK80

Broad entity **84mm**

Max. stroke **5000mm**

Max. load **20kg**

EGK80 - 400 - R - D - M - 40 - C4

Model

Stroke

100-5000mm
50 intervals

Off-axis direction

L	Left exit axis
R	Right exit axis
B	Dual output shaft

Motor Postion

D	Direct mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	Delta

Motor power

05	-
10	-
20	200W
40	400W

number of switches

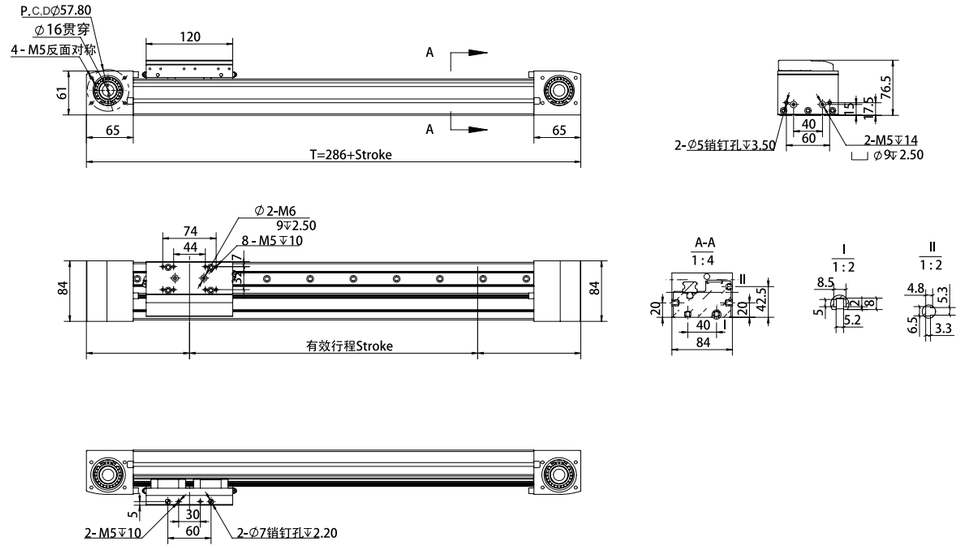
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)		200W			400W		
Static loading Moment(Nm)		0.64			1.27		
Repeatability(mm)		±0.08					
Max.Stroke(mm)		100-5000mm/50mm interval					
Specification		20 × 3 (lead 90mm)					
Reduction ratio		无	3:1	5:1	无	3:1	/
Max.speed（mm/s）		4500	1500	900	4500	1500	/
Max. Horizontal load(KG)		4	11	15	8	20	/
Max. Payload(KG)	EGK70	12					
	EGK70L	20					
Basic weight(0mm stroke kg)		EGK80:4.36			EGK80L:5.08		
Add mass(KG per 100mm stroke)		0.52					

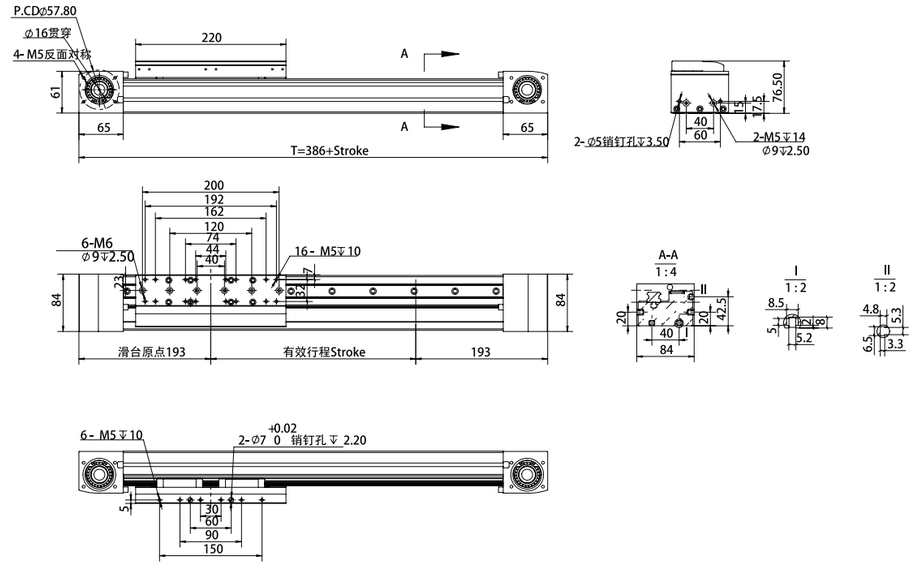
EGK80 bare tank

Unit:mm



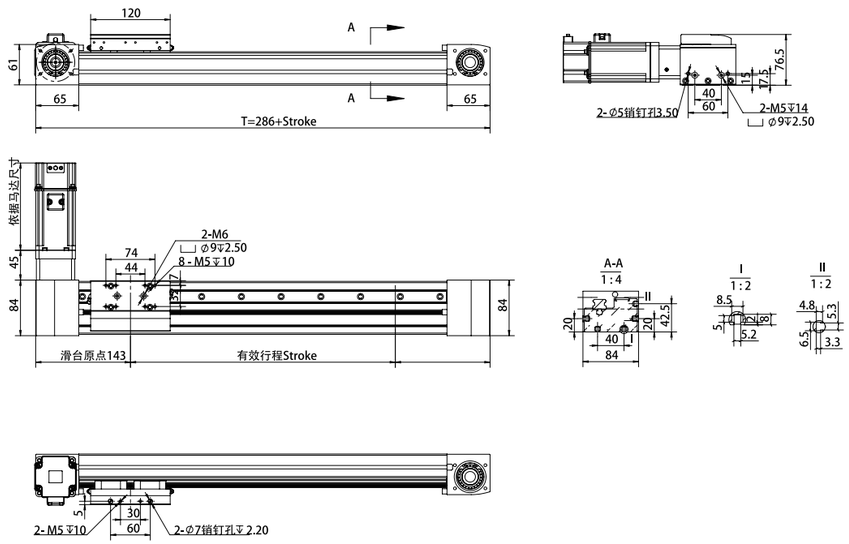
EGK80L bare tank

Unit:mm



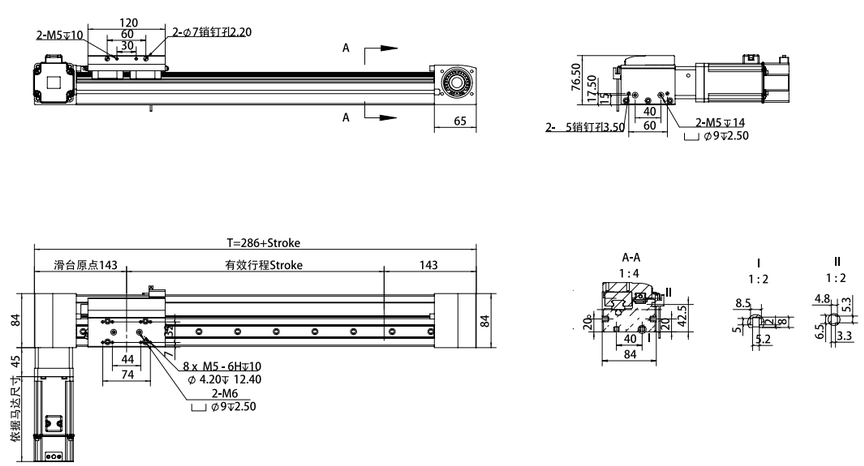
EGK80-L-D

Unit:mm



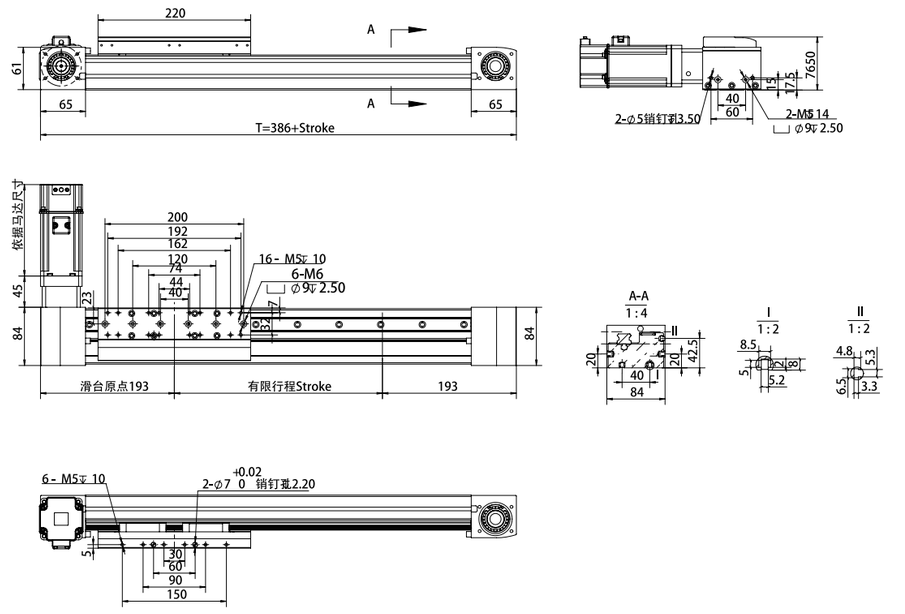
EGK80-R-D

Unit:mm



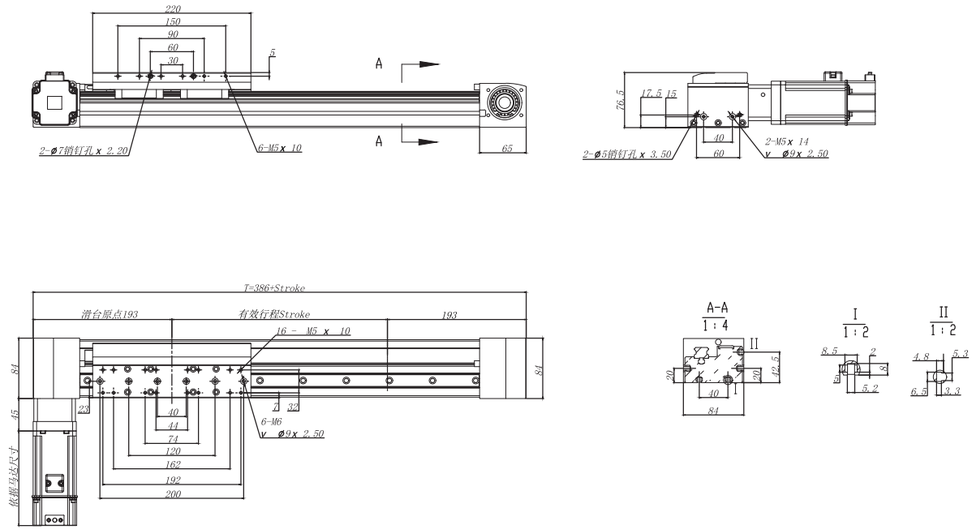
EGK80L-L-D

Unit:mm



EGK80L-R-D

Unit:mm

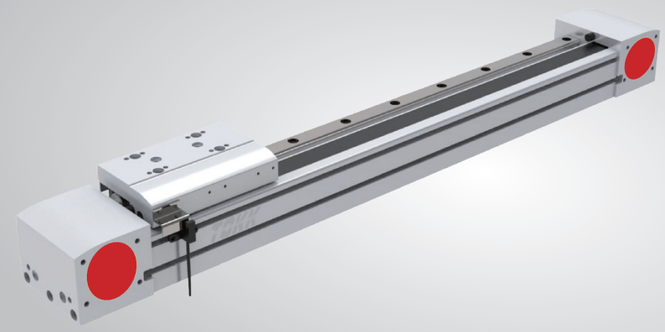


EGK120

Broad entity **120mm**

Max. stroke **5000mm**

Max. load **70kg**



EGK120 - 400 - R - D - M - 75 - C4

Model

Stroke

100-6000mm
50 intervals

Off-axis direction

L	Left exit axis
R	Right exit axis
B	Dual output shaft

Motor Postion

D	Direct mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	delta

Motor power

05	-
10	-
20	200W
40	400W

number of switches

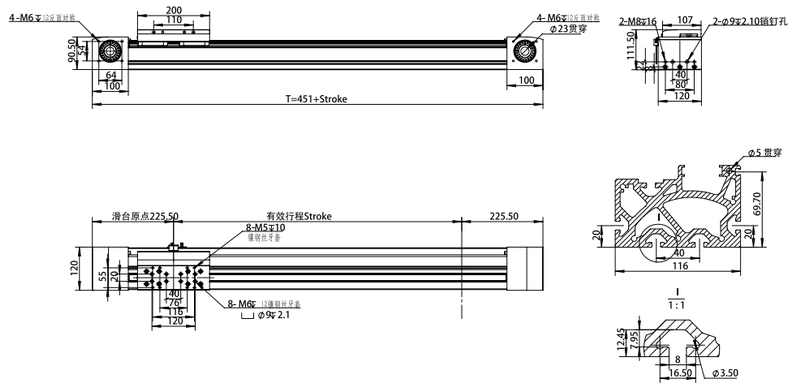
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	750W			
Static loading Moment(Nm)	2.4			
Repeatability(mm)	±0.08			
Max.Stroke(mm)	100-6000mm/50mm interval			
Specification	45 × 5 (lead 125mm)			
Reduction ratio	3:1	5:1	7:1	10:1
Max.Speed (mm/s)	2080	1250	890	625
Max. Horizontal load(KG)	30	50	70	100
Basic weight(0mm stroke kg)	12.7			
Add mass(KG per 100mm stroke)	1.5			

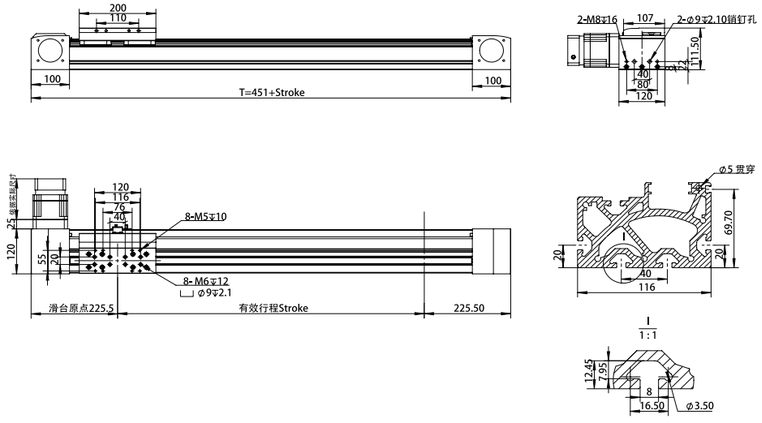
EGK120 bare tank

Unit:mm



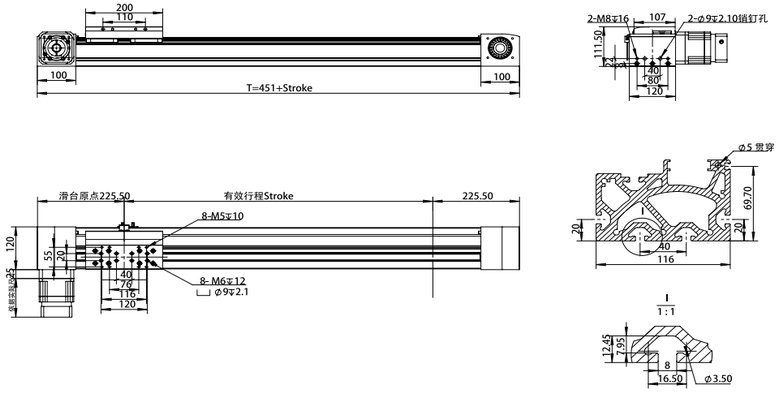
EGK120-L-D

Unit:mm



EGK120-R-D

Unit:mm



EGK125

Broad entity **124mm** | Max. stroke **6000mm** | Max. load **400kg**

EGK125 - 400 - R - D - M - 75 - C4

Model

Stroke

100-6000mm
50 intervals

Off-axis direction

L	Left exit axis
R	Right exit axis
B	Dual output shaft

Motor Postion

D	Direct mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	delta

Motor power

05	-
10	-
20	200W
40	400W

number of switches

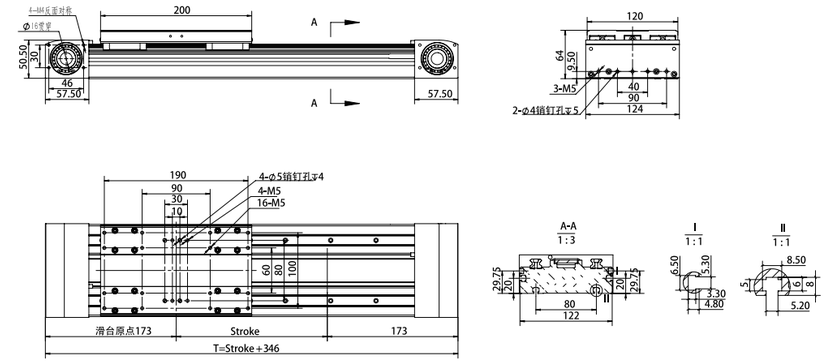
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	400W			
Static loading Moment(Nm)	1.27			
Repeatability(mm)	±0.08			
Max.Stroke(mm)	100-6000mm/50mm interval			
Specification	30x5 (lead 100mm)			
Reduction ratio	3:1	5:1	7:1	/
Max.Speed (mm/s)	1666	1000	714	/
Max. Horizontal load(KG)	20	34	40	/
Max. Payload(KG)	40			
Basic weight(0mm stroke kg)	7.6			
Add mass(KG per 100mm stroke)	0.8			

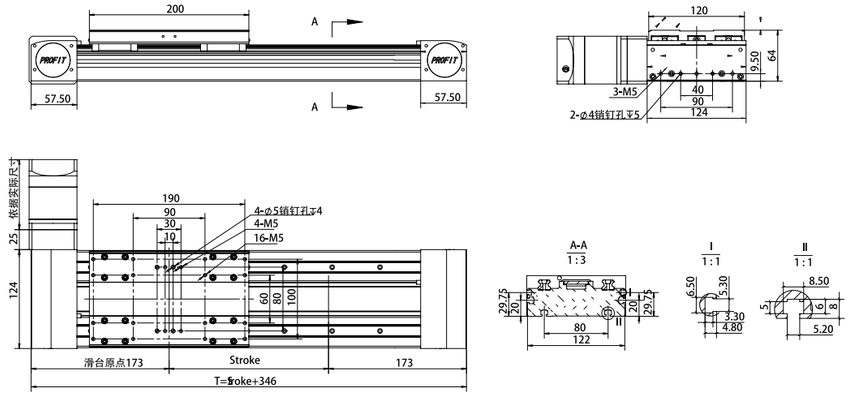
EGK125 bare tank

单位 Unit:mm



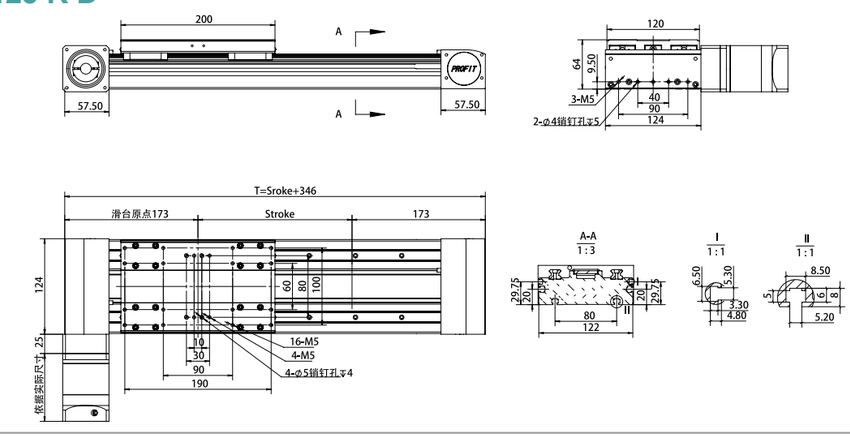
EGK125-L-D

单位 Unit:mm



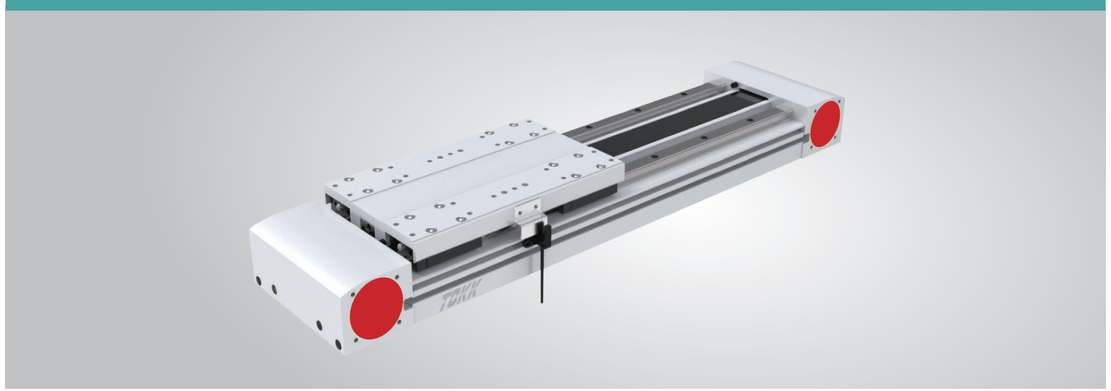
EGK125-R-D

单位 Unit:mm



EGK160

Broad entity **162mm**
Max. stroke **6000mm**
Max. load **100kg**



EGK160 - 400 - R - D - M - 75 - C4

本体型号
Model

Stroke

100-6000mm
50 intervals

Off-axis direction

L	Left exit axis
R	Right exit axis
B	Dual output shaft

Motor Postion

D	Direct mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	Yaskawa
T	Delta

Motor power

05	-
10	-
20	200W
40	400W

Number of switches

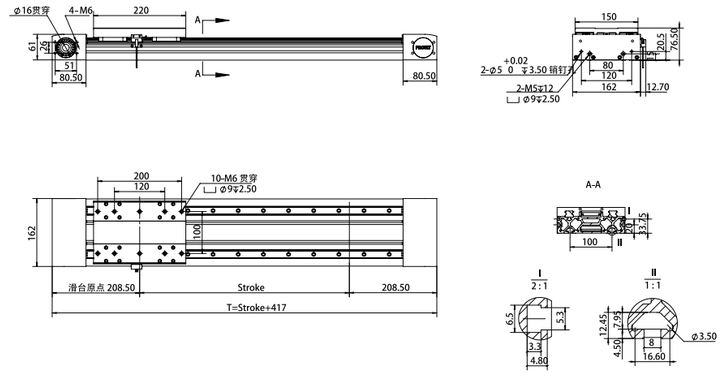
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	750W			
Static loading Moment(Nm)	2.4			
Repeatability(mm)	±0.08			
Max.Stroke (mm)	100-6000mm/50mm interval			
Specification	45 × 5 (lead 125mm)			
Reduction ratio	3:1	5:1	7:1	10:1
Max.Speed (mm/s)	2080	1250	890	625
Max. Horizontal load(KG)	30	50	70	100
Max. Payload(KG)	100			
Basic weight(0mm stroke kg)	10.2			
Add mass(KG per 100mm stroke)	1.2			

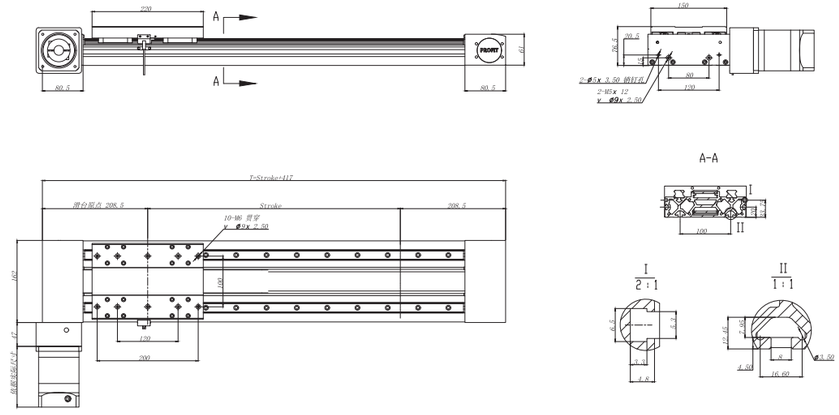
EGK160 bare tank

Unit:mm



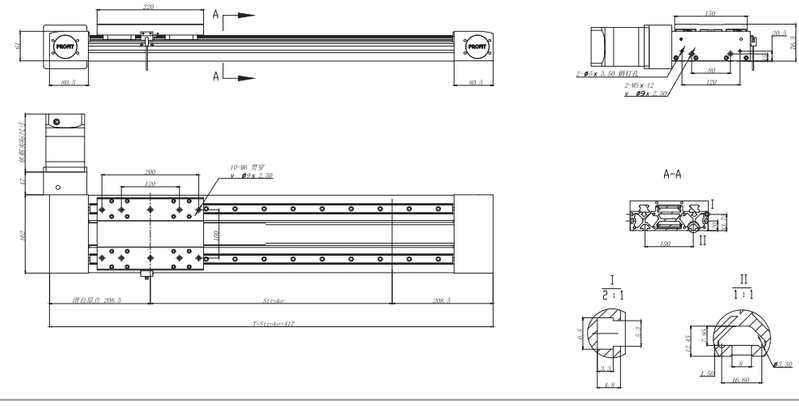
EGK160-R-D

Unit:mm



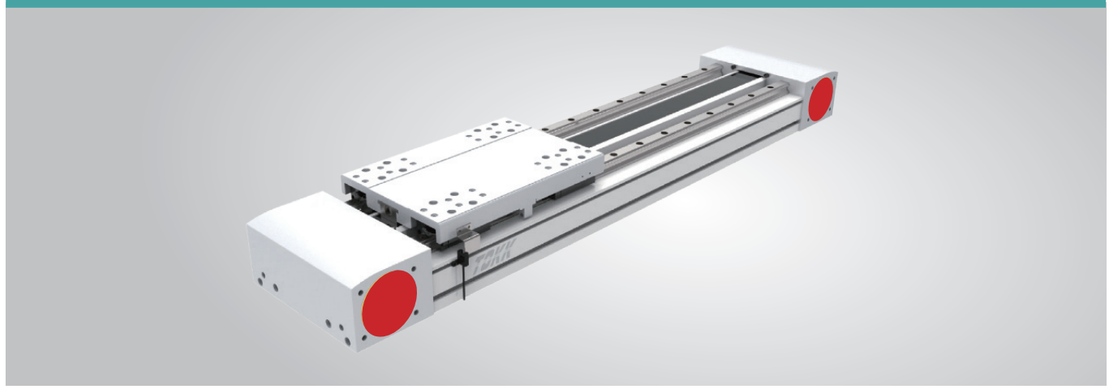
EGK160-L-D

Unit:mm



EGK220

Broad entity **224mm**
Max. stroke **6000mm**
Max. load **200kg**



EGK220 - 400 - R - D - M - 20 - C4

Model

Stroke

100-6000mm
50 intervals

Off-axis direction

L	Left exit axis
R	Right exit axis
B	Dual output shaft

Motor Postion

D	Direct mounting

Motor brand

M	Mitsubishi
P	Panasonic
Y	yaskawa
T	delta

Motor power

05	-
10	-
20	200W
40	400W

number of switches

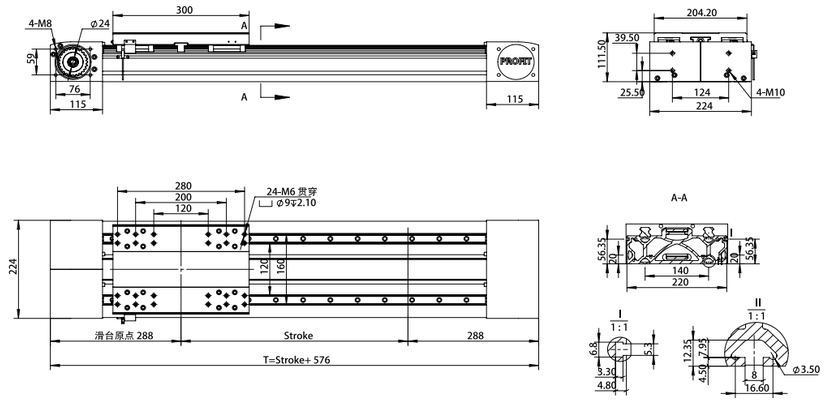
C4	Switch*3
E5	without

Product parameter

Standard motor output(w)	1500W			
Static loading Moment(Nm)	7.16			
Repeatability(mm)	±0.08			
Max.Stroke(mm)	100-6000mm/50mm interval			
Specification	45X8 (lead 208mm)			
Reduction ratio	3:1	5:1	7:1	10:1
Max.Speed（mm/s)	2300	1380	990	690
Max. Horizontal load	55	90	130	180
Max. Payload(KG)	200			
Basic weight(0mm stroke kg)	25.8			
Add mass(KG per 100mm stroke)	2.1			

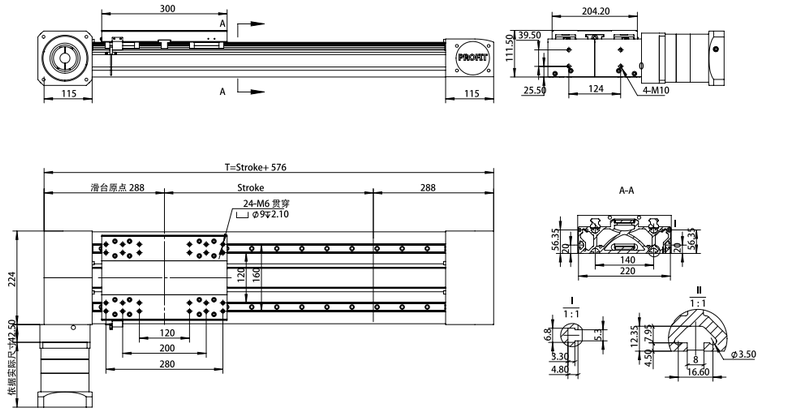
EGK220 bare tank

Unit:mm



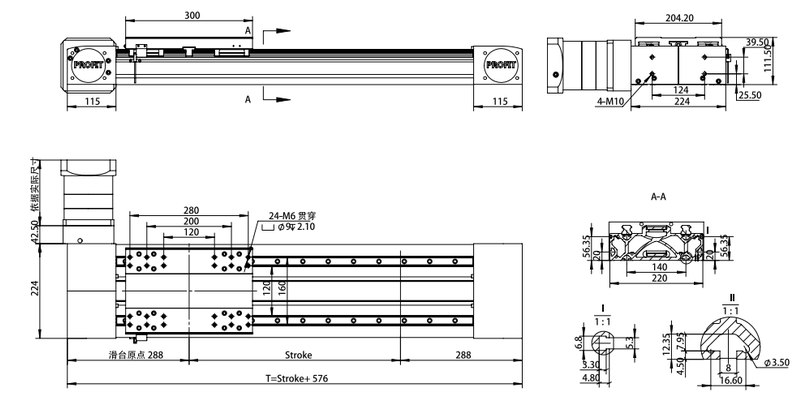
EGK220-R-D

Unit:mm

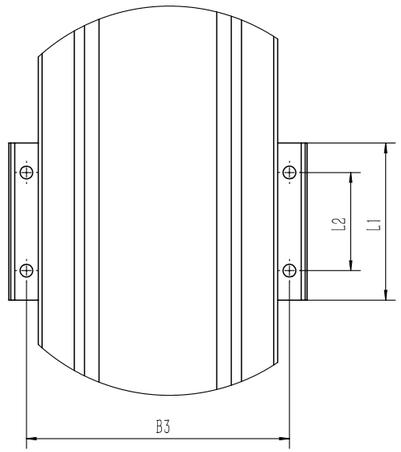


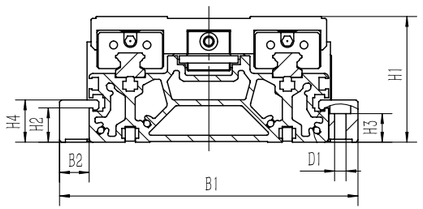
EGK220-L-D

Unit:mm



Fixed pressure block





Model	Purpose	B1	B2	B3	φD1	H1	H2	H3	H4	L1	L2
YKEGK70	EGK70	97	15	79	6.5	64	17.4	14.5	21.5	80	50
	EGK80	110	15	92	6.5	76.5	17.4	14.5	21.5	80	50
	EGK125	152	15	134	6.5	64	17.4	14.5	21.5	80	50
	EGK160	190	15	172	6.5	76.5	17.4	14.5	21.5	80	50
YKEGK220	EGK120	262	21	238	8.5	111.5	15.9	13.5	21.9	100	70
	EGK220	262	21	238	8.5	111.5	15.9	13.5	21.9	100	70

MEMO

MK series

European standard synchronous belt module

M-series - European standard synchronous belt module

MK65

Max. speed **5000mm/s** | Max. stroke **5000mm** | Motor capacity **400w**

MK65 - 2000 - L - M4B - C4 - 10 - A001

Model

Stroke

100-6000mm
100 intervals

Motor position

L	Left fold motor
LU	Left upper folding of motor
LD	Lower left folding of motor
LT	Directly fold the motor to the left
LL	Left folding of motor output axis
R	Motor folded to the right
RU	Motor folded up to the right
RD	Lower right folding of motor
RT	Directly fold the motor to the right
RR	The motor axis is folded to the right

Fixed motor size

M4	Servo PCD70-M5- Axis 14
P4	Servo PCD70-M4- Axis 14

magnet reed switch number of switches

C3	Switch*1
C4	Switch*2
E5	without

Annotated style

Reduction ratio

3	3
5	5
7	7
10	10
N	No gearbox

Only: LL/RR can choose N

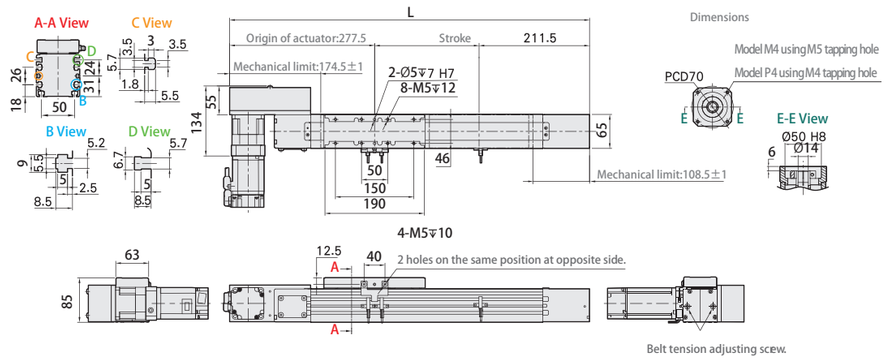
Product parameter

Motor speed(rpm/min)		3:1	5:1	7:1	10:1
Max. speed(mm/s)		1833	1100	785	550
Max. oad(KG)	Max. horizontal load	30	45	55	60
	Max. vertical load	9	15	16	17
Position repetition accuracy(mm)		±0.1			
Stationary thrust (N)		220			
Standard stroke (mm)		100-6000mm/100 with 100mm pitch intervals			
AC servo motor capacity(W)		400			
Belt width (mm)		32			
High rigidity straight slide rail (mm)		W15XH12.5			
Origin inductor	Plug-in	EE-SX672(NPN)			

1. Set the motor acceleration and deceleration to 0.4 seconds.
2. When used vertically, if the belt breaks, there is a risk of the load falling off. Please be aware.
3. When the slide table is not equipped with a reducer, the lead is 110.

Motor left side

Unit:mm

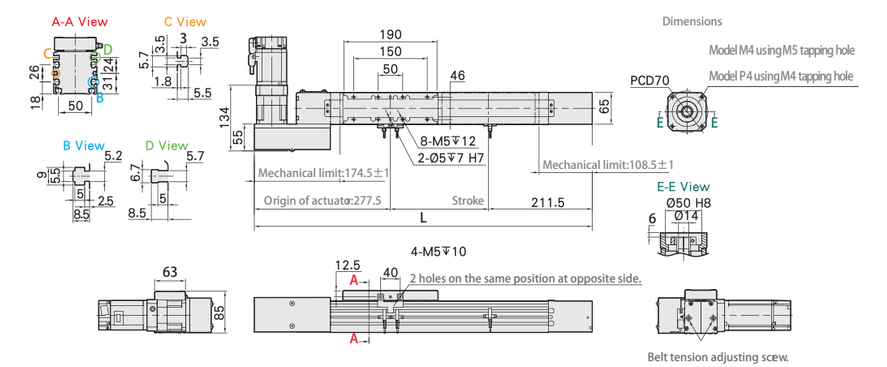


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	589	689	789	889	989	1089	1189	1289	1389	1489	1589	1689	1789	1889	1989	2089	2189	2289	2389	2489	2589	2689	2789	2889	2989
KG	7.87	8.43	8.99	9.55	10.11	10.67	11.23	11.79	12.35	12.91	13.47	14.03	14.59	15.15	15.71	16.27	16.83	17.39	17.95	18.51	19.07	19.63	20.19	20.75	21.31

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3089	3189	3289	3389	3489	3589	3689	3789	3889	3989	4089	4189	4289	4389	4489	4589	4689	4789	4889	4989	5089	5189	5289	5389	5489
KG	21.87	22.43	22.99	23.55	24.11	24.67	25.23	25.79	26.35	26.91	27.47	28.03	28.59	29.15	29.71	30.27	30.83	31.39	31.95	32.51	33.07	33.63	34.19	34.75	35.31

Motor right side

Unit:mm

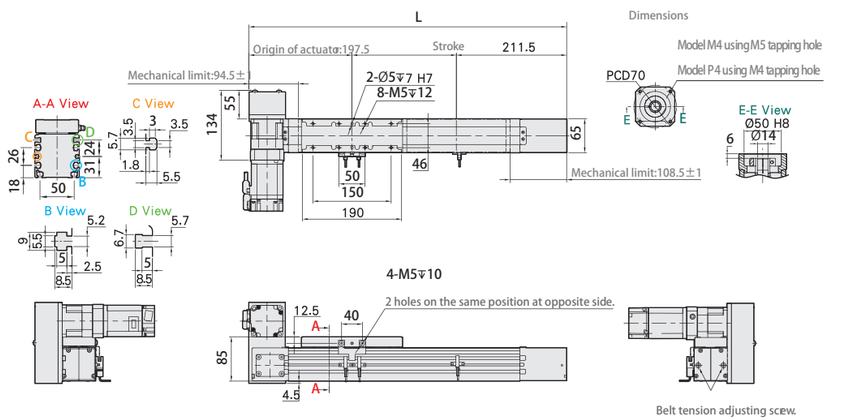


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	589	689	789	889	989	1089	1189	1289	1389	1489	1589	1689	1789	1889	1989	2089	2189	2289	2389	2489	2589	2689	2789	2889	2989
KG	7.87	8.43	8.99	9.55	10.11	10.67	11.23	11.79	12.35	12.91	13.47	14.03	14.59	15.15	15.71	16.27	16.83	17.39	17.95	18.51	19.07	19.63	20.19	20.75	21.31

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3089	3189	3289	3389	3489	3589	3689	3789	3889	3989	4089	4189	4289	4389	4489	4589	4689	4789	4889	4989	5089	5189	5289	5389	5489
KG	21.87	22.43	22.99	23.55	24.11	24.67	25.23	25.79	26.35	26.91	27.47	28.03	28.59	29.15	29.71	30.27	30.83	31.39	31.95	32.51	33.07	33.63	34.19	34.75	35.31

Motor Left Upper Side

Unit:mm

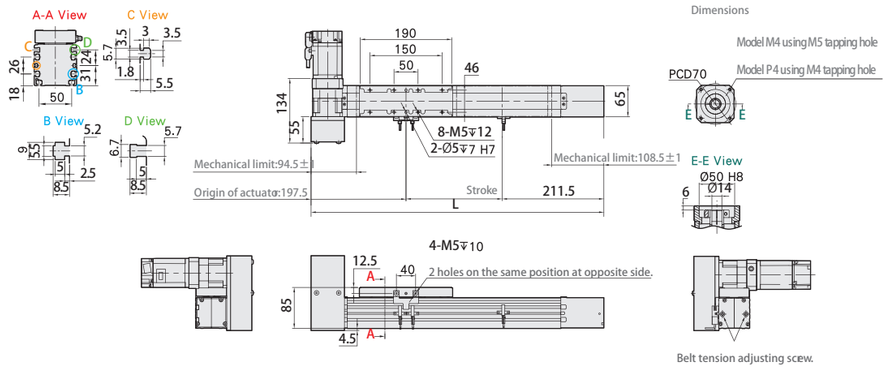


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	509	609	709	809	909	1009	1109	1209	1309	1409	1509	1609	1709	1809	1909	2009	2109	2209	2309	2409	2509	2609	2709	2809	2909
KG	7.87	8.43	8.99	9.55	10.11	10.67	11.23	11.79	12.35	12.91	13.47	14.03	14.59	15.15	15.71	16.27	16.83	17.39	17.95	18.51	19.07	19.63	20.19	20.75	21.31

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3009	3109	3209	3309	3409	3509	3609	3709	3809	3909	4009	4109	4209	4309	4409	4509	4609	4709	4809	4909	5009	5109	5209	5309	5409
KG	21.87	22.43	22.99	23.55	24.11	24.67	25.23	25.79	26.35	26.91	27.47	28.03	28.59	29.15	29.71	30.27	30.83	31.39	31.95	32.51	33.07	33.63	34.19	34.75	35.31

Motor Right Upper Side

Unit:mm

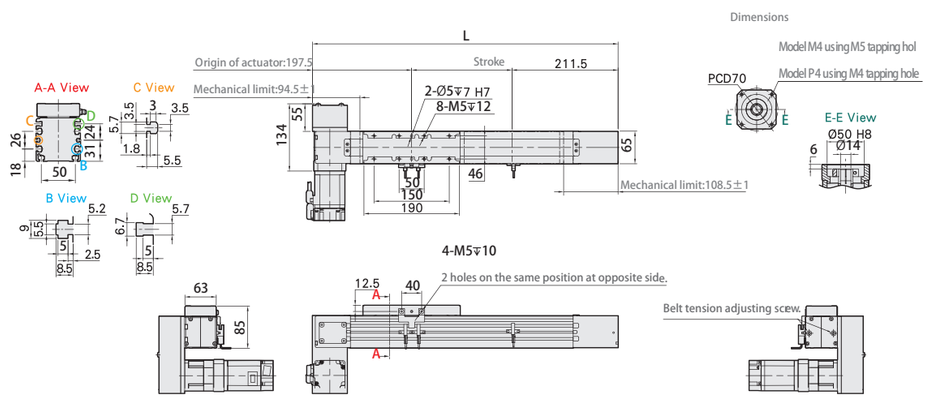


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	509	609	709	809	909	1009	1109	1209	1309	1409	1509	1609	1709	1809	1909	2009	2109	2209	2309	2409	2509	2609	2709	2809	2909
KG	7.87	8.43	8.99	9.55	10.11	10.67	11.23	11.79	12.35	12.91	13.47	14.03	14.59	15.15	15.71	16.27	16.83	17.39	17.95	18.51	19.07	19.63	20.19	20.75	21.31

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3009	3109	3209	3309	3409	3509	3609	3709	3809	3909	4009	4109	4209	4309	4409	4509	4609	4709	4809	4909	5009	5109	5209	5309	5409
KG	21.87	22.43	22.99	23.55	24.11	24.67	25.23	25.79	26.35	26.91	27.47	28.03	28.59	29.15	29.71	30.27	30.83	31.39	31.95	32.51	33.07	33.63	34.19	34.75	35.31

Motor Left Lower Side

单位 Unit:mm

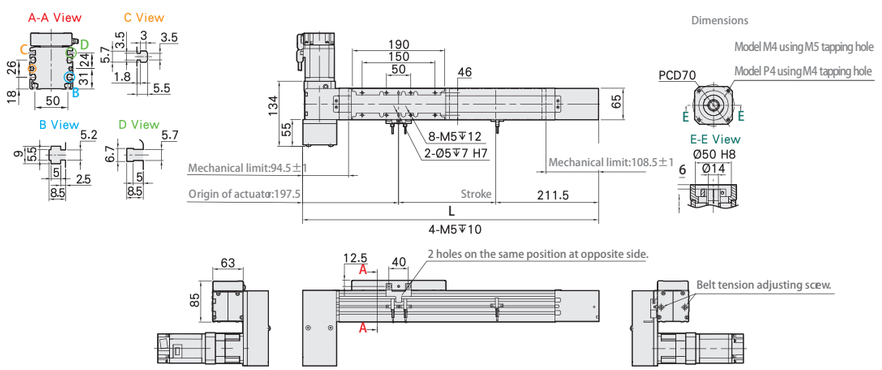


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	509	609	709	809	909	1009	1109	1209	1309	1409	1509	1609	1709	1809	1909	2009	2109	2209	2309	2409	2509	2609	2709	2809	2909
KG	7.87	8.43	8.99	9.55	10.11	10.67	11.23	11.79	12.35	12.91	13.47	14.03	14.59	15.15	15.71	16.27	16.83	17.39	17.95	18.51	19.07	19.63	20.19	20.75	21.31

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3009	3109	3209	3309	3409	3509	3609	3709	3809	3909	4009	4109	4209	4309	4409	4509	4609	4709	4809	4909	5009	5109	5209	5309	5409
KG	21.87	22.43	22.99	23.55	24.11	24.67	25.23	25.79	26.35	26.91	27.47	28.03	28.59	29.15	29.71	30.27	30.83	31.39	31.95	32.51	33.07	33.63	34.19	34.75	35.31

Motor Right Lower Side

Unit:mm

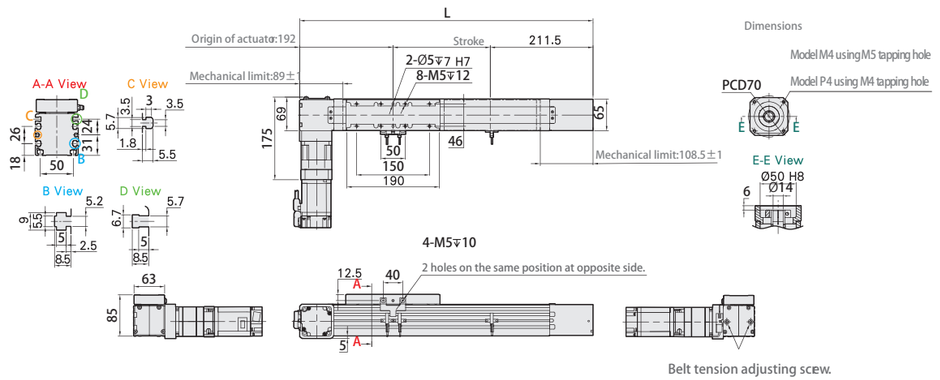


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	509	609	709	809	909	1009	1109	1209	1309	1409	1509	1609	1709	1809	1909	2009	2109	2209	2309	2409	2509	2609	2709	2809	2909
KG	7.87	8.43	8.99	9.55	10.11	10.67	11.23	11.79	12.35	12.91	13.47	14.03	14.59	15.15	15.71	16.27	16.83	17.39	17.95	18.51	19.07	19.63	20.19	20.75	21.31

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3009	3109	3209	3309	3409	3509	3609	3709	3809	3909	4009	4109	4209	4309	4409	4509	4609	4709	4809	4909	5009	5109	5209	5309	5409
KG	21.87	22.43	22.99	23.55	24.11	24.67	25.23	25.79	26.35	26.91	27.47	28.03	28.59	29.15	29.71	30.27	30.83	31.39	31.95	32.51	33.07	33.63	34.19	34.75	35.31

Directly fold the motor to the left

Unit:mm

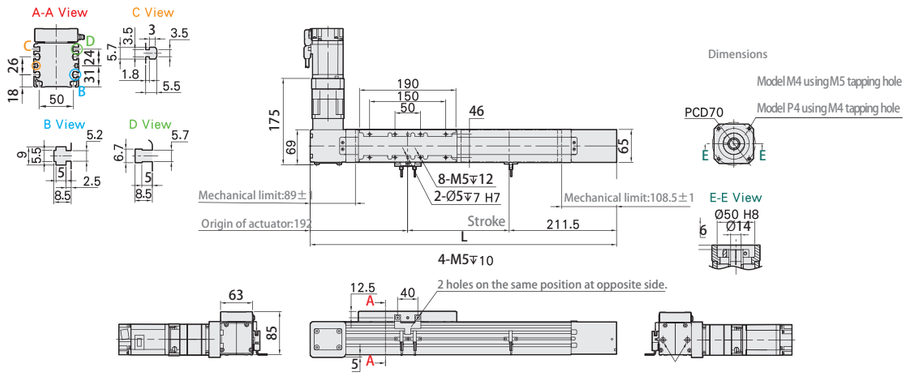


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	503.5	603.5	703.5	803.5	903.5	1003.5	1103.5	1203.5	1303.5	1403.5	1503.5	1603.5	1703.5	1803.5	1903.5	2003.5	2103.5	2203.5	2303.5	2403.5	2503.5	2603.5	2703.5	2803.5	2903.5
KG	6.87	7.39	7.91	8.43	8.95	9.47	9.99	10.51	11.03	11.55	12.07	12.59	13.11	13.63	14.15	14.67	15.19	15.71	16.23	16.75	17.27	17.79	18.31	18.83	19.35

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3003.5	3103.5	3203.5	3303.5	3403.5	3503.5	3603.5	3703.5	3803.5	3903.5	4003.5	4103.5	4203.5	4303.5	4403.5	4503.5	4603.5	4703.5	4803.5	4903.5	5003.5	5103.5	5203.5	5303.5	5403.5
KG	19.87	20.39	20.91	21.43	21.95	22.47	22.99	23.51	24.03	24.55	25.07	25.59	26.11	26.63	27.15	27.67	28.19	28.71	29.23	29.75	30.27	30.79	31.31	31.83	32.35

Directly fold the motor to the right

Unit:mm

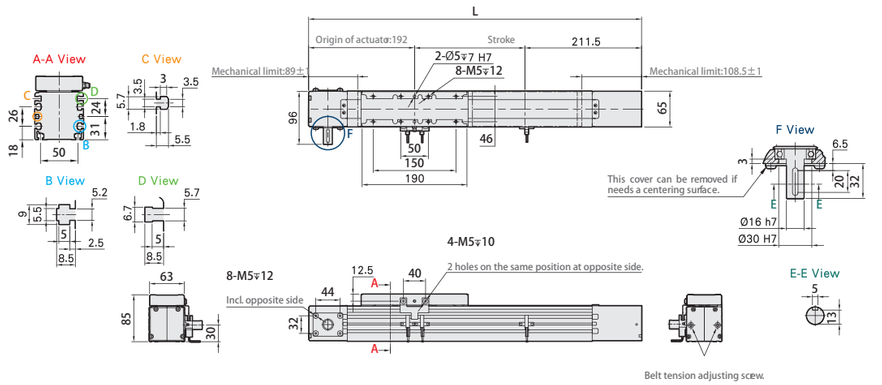


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	503.5	603.5	703.5	803.5	903.5	1003.5	1103.5	1203.5	1303.5	1403.5	1503.5	1603.5	1703.5	1803.5	1903.5	2003.5	2103.5	2203.5	2303.5	2403.5	2503.5	2603.5	2703.5	2803.5	2903.5
KG	6.87	7.39	7.91	8.43	8.95	9.47	9.99	10.51	11.03	11.55	12.07	12.59	13.11	13.63	14.15	14.67	15.19	15.71	16.23	16.75	17.27	17.79	18.31	18.83	19.35

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3003.5	3103.5	3203.5	3303.5	3403.5	3503.5	3603.5	3703.5	3803.5	3903.5	4003.5	4103.5	4203.5	4303.5	4403.5	4503.5	4603.5	4703.5	4803.5	4903.5	5003.5	5103.5	5203.5	5303.5	5403.5
KG	19.87	20.39	20.91	21.43	21.95	22.47	22.99	23.51	24.03	24.55	25.07	25.59	26.11	26.63	27.15	27.67	28.19	28.71	29.23	29.75	30.27	30.79	31.31	31.83	32.35

Left folding of motor output axis

Unit:mm

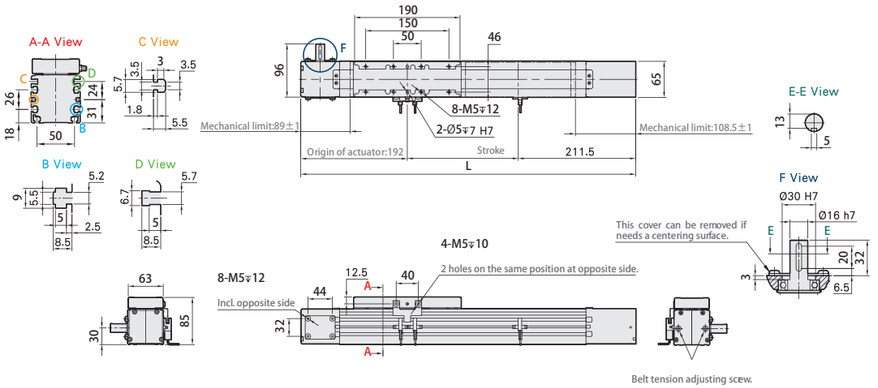


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	503.5	603.5	703.5	803.5	903.5	1003.5	1103.5	1203.5	1303.5	1403.5	1503.5	1603.5	1703.5	1803.5	1903.5	2003.5	2103.5	2203.5	2303.5	2403.5	2503.5	2603.5	2703.5	2803.5	2903.5
KG	4.36	4.9	5.44	5.98	6.52	7.06	7.6	8.14	8.68	9.22	9.76	10.3	10.84	11.38	11.92	12.46	13	13.54	14.08	14.62	15.16	15.7	16.24	16.78	17.32

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3003.5	3103.5	3203.5	3303.5	3403.5	3503.5	3603.5	3703.5	3803.5	3903.5	4003.5	4103.5	4203.5	4303.5	4403.5	4503.5	4603.5	4703.5	4803.5	4903.5	5003.5	5103.5	5203.5	5303.5	5403.5
KG	17.86	18.4	18.94	19.48	20.02	20.56	21.1	21.64	22.18	22.72	23.26	23.8	24.34	24.88	25.42	25.96	26.5	27.04	27.58	28.12	28.66	29.2	29.74	30.28	30.82

The motor axis is folded to the right

Unit:mm

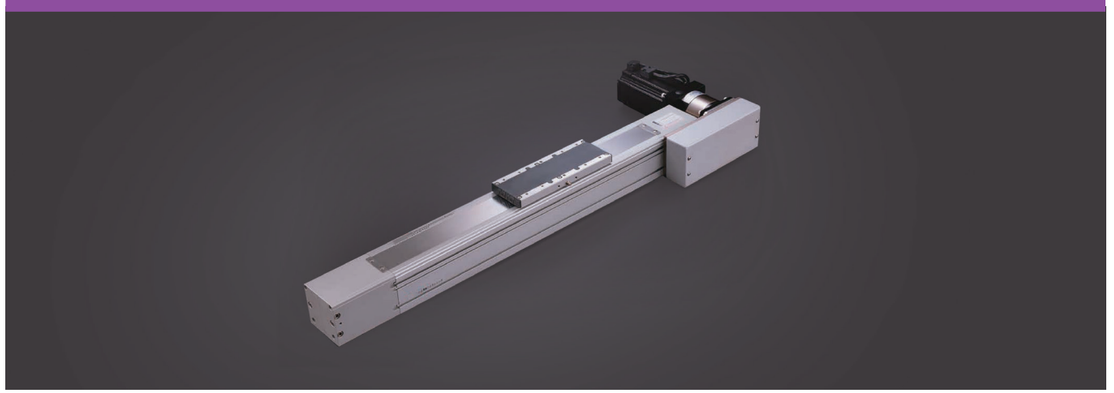


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	503.5	603.5	703.5	803.5	903.5	1003.5	1103.5	1203.5	1303.5	1403.5	1503.5	1603.5	1703.5	1803.5	1903.5	2003.5	2103.5	2203.5	2303.5	2403.5	2503.5	2603.5	2703.5	2803.5	2903.5
KG	4.36	4.9	5.44	5.98	6.52	7.06	7.6	8.14	8.68	9.22	9.76	10.3	10.84	11.38	11.92	12.46	13	13.54	14.08	14.62	15.16	15.7	16.24	16.78	17.32

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3003.5	3103.5	3203.5	3303.5	3403.5	3503.5	3603.5	3703.5	3803.5	3903.5	4003.5	4103.5	4203.5	4303.5	4403.5	4503.5	4603.5	4703.5	4803.5	4903.5	5003.5	5103.5	5203.5	5303.5	5403.5
KG	17.86	18.4	18.94	19.48	20.02	20.56	21.1	21.64	22.18	22.72	23.26	23.8	24.34	24.88	25.42	25.96	26.5	27.04	27.58	28.12	28.66	29.2	29.74	30.28	30.82

MK85

Max. speed **5000mm/s**
Max. stroke **5000mm**
Motor capacity **750w**



MK85 - 2000 - L - M7B - C4 - 10 - A001

Model

Stroke

100-6000mm
100 intervals

Motor position

L	Left fold motor
LU	Left upper folding of motor
LD	Lower left folding of motor
LT	Directly fold the motor to the left
LL	Left folding of motor output axis
R	Motor folded to the right
RU	Motor folded up to the right
RD	Lower right folding of motor
RT	Directly fold the motor to the right
RR	The motor axis is folded to the right

Fixed motor size

M7	Servo PCD90-M6- Axis 19
P7	Servo PCD90-M5- Axis 19

magnet reed switch number of switches

C3	Switch*2
C4	Switch*3
E5	without

Reduction ratio

5	5
7	7
10	10
N	No gearbox

Only: LL/RR can choose N

Annotated style

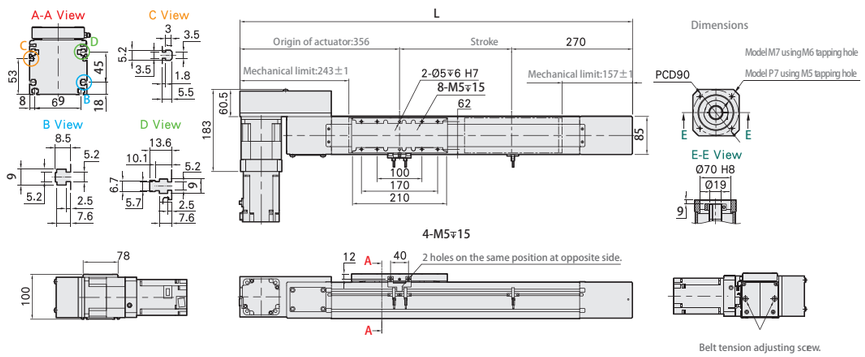
Product parameter

		5:1	7:1	10:1
Motor speed(rpm/min)				
Max. speed(mm/s)		2000	1428	1000
Max. oad(KG)	Max. horizontal load	40	60	100
	Max. vertical load	14	21	24
Position repetition accuracy(mm)		±0.1		
Stationary thrust (N)		340		
Standard stroke (mm)		100-6000mm/100 with 100mm pitch intervals		
AC servo motor capacity(W)		750		
Belt width (mm)		46		
High rigidity straight slide rail(mm)		W20XH15		
Origin inductor	Plug-in	EE-SX672(NPN)		

1. Set the motor acceleration and deceleration to 0.4 seconds.
2. When used vertically, if the belt breaks, there is a risk of the load falling off. Please be aware.
3. When the slide table is not equipped with a reducer, the lead is 110.

Motor left side

Unit:mm

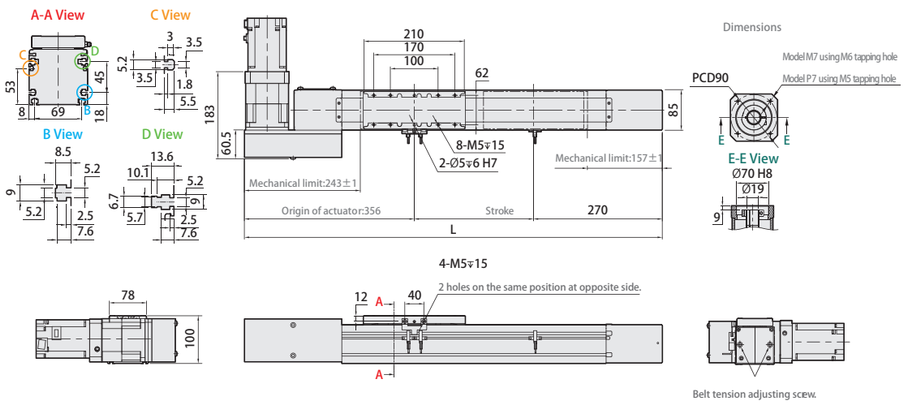


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	726	826	926	1026	1126	1226	1326	1426	1526	1626	1726	1826	1926	2026	2126	2226	2326	2426	2526	2626	2726	2826	2926	3026	3126
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3226	3326	3456	3526	3626	3726	3826	3926	4026	4126	4226	4326	4426	4526	4626	4726	4826	4926	5026	5126	5226	5326	5426	5526	5626
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Motor right side

Unit:mm

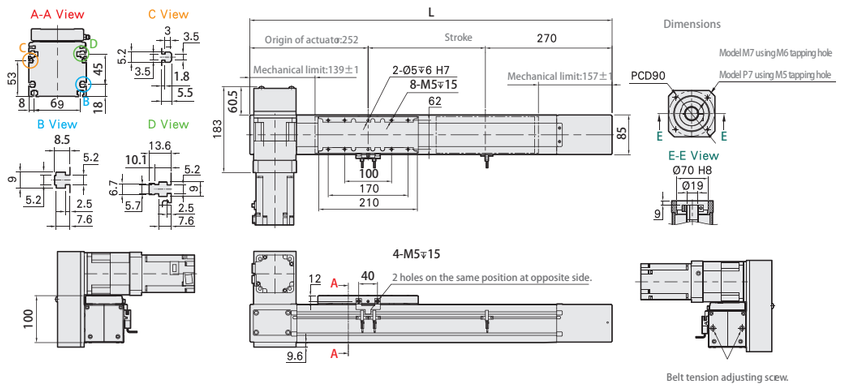


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	726	826	926	1026	1126	1226	1326	1426	1526	1626	1726	1826	1926	2026	2126	2226	2326	2426	2526	2626	2726	2826	2926	3026	3126
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3226	3326	3456	3526	3626	3726	3826	3926	4026	4126	4226	4326	4426	4526	4626	4726	4826	4926	5026	5126	5226	5326	5426	5526	5626
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Motor Left Upper Side

Unit:mm

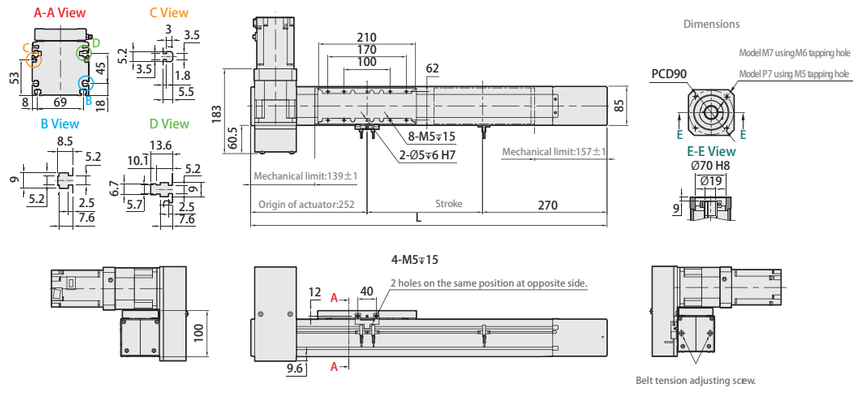


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Motor Right Upper Side

Unit:mm

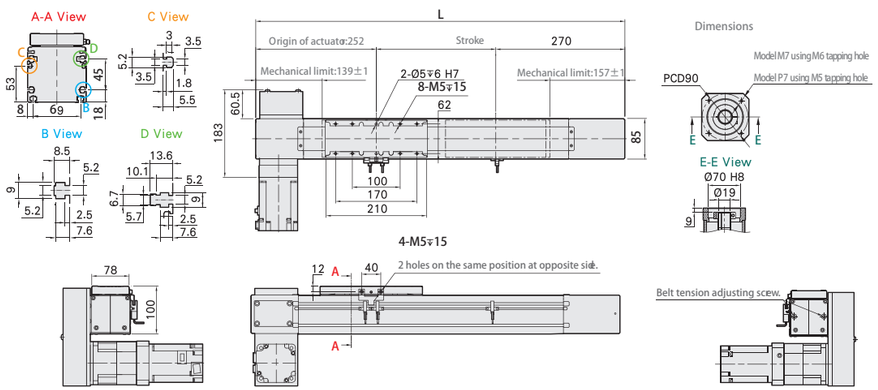


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Motor Left Lower Side

Unit:mm

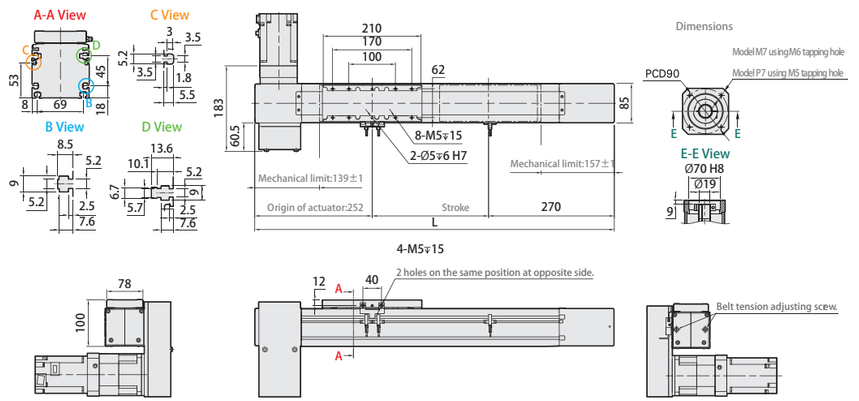


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Motor Right Lower Side

Unit:mm

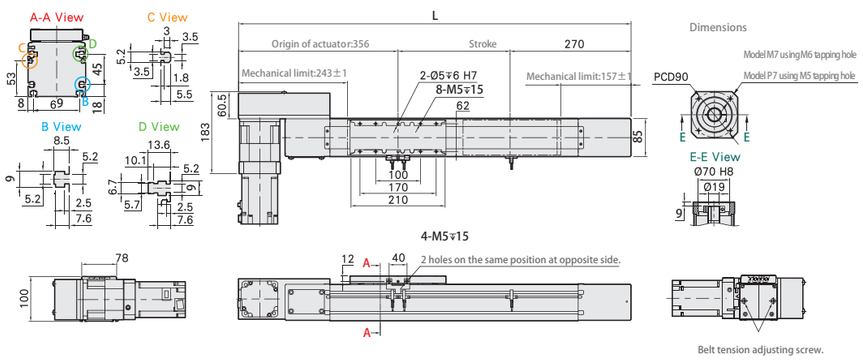


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Directly fold the motor to the left

Unit:mm

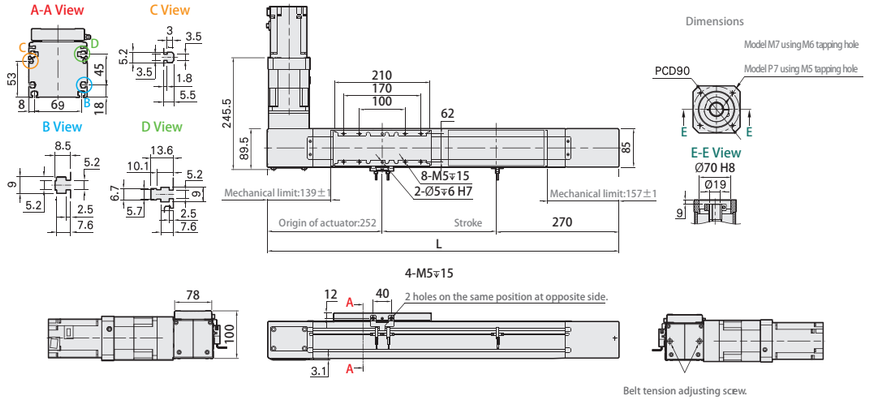


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	726	826	926	1026	1126	1226	1326	1426	1526	1626	1726	1826	1926	2026	2126	2226	2326	2426	2526	2626	2726	2826	2926	3026	3126
KG	14.81	15.65	16.49	17.33	18.17	19.01	19.85	20.69	21.53	22.37	23.21	24.05	24.89	25.73	26.57	27.41	28.25	29.09	29.93	30.77	31.61	32.45	33.29	34.13	34.97

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3226	3326	3456	3526	3626	3726	3826	3926	4026	4126	4226	4326	4426	4526	4626	4726	4826	4926	5026	5126	5226	5326	5426	5526	5626
KG	35.81	36.65	37.49	38.33	39.17	40.01	40.85	41.69	42.53	43.37	44.21	45.05	45.89	46.73	47.57	48.41	49.25	50.09	50.93	51.77	52.61	53.45	54.29	55.13	55.97

Directly fold the motor to the right

Unit:mm

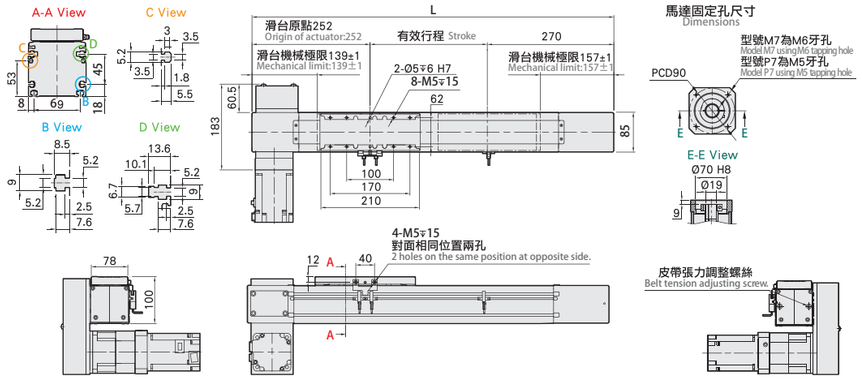


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	13.06	13.88	14.7	15.52	16.34	17.16	17.98	18.8	19.62	20.44	21.26	22.08	22.9	23.72	24.54	25.36	26.18	27	27.82	28.64	29.46	30.28	31.1	31.92	32.7

Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	33.56	34.38	35.2	36.02	36.84	37.66	38.48	39.3	40.12	40.94	41.76	42.58	43.4	44.22	45.04	45.86	46.68	47.5	48.32	49.14	49.96	50.78	51.6	52.42	53.24

Left folding of motor output axis

单位 Unit:mm

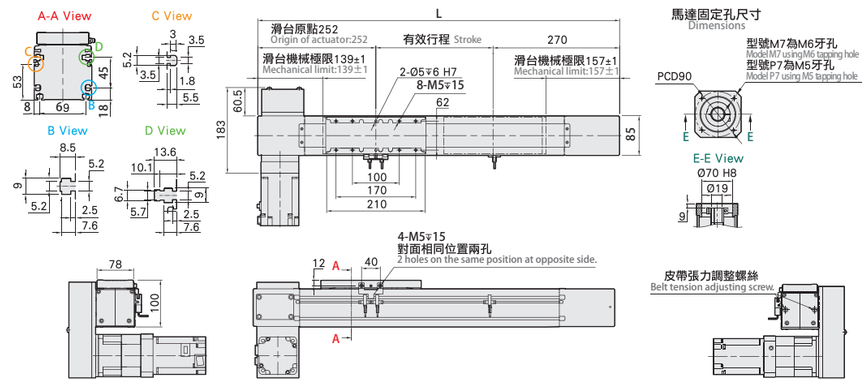


有效行程 Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	10.55	11.37	12.19	13.01	13.83	14.65	15.47	16.29	17.11	17.93	18.75	19.57	20.39	21.21	22.03	22.85	23.67	24.49	25.31	26.13	26.95	27.77	28.59	29.41	30.23

有效行程 Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	31.05	31.87	32.69	33.51	34.33	35.15	35.97	36.79	37.61	38.43	39.25	40.07	40.89	41.71	42.53	43.35	44.17	44.99	45.81	46.63	47.45	48.27	49.09	49.91	50.73

The motor axis is folded to the right

单位 Unit:mm



有效行程 Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400	2500
L	622	722	822	922	1022	1122	1222	1322	1422	1522	1622	1722	1822	1922	2022	2122	2222	2322	2422	2522	2622	2722	2822	2922	3022
KG	10.55	11.37	12.19	13.01	13.83	14.65	15.47	16.29	17.11	17.93	18.75	19.57	20.39	21.21	22.03	22.85	23.67	24.49	25.31	26.13	26.95	27.77	28.59	29.41	30.23

有效行程 Stroke	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800	4900	5000
L	3122	3222	3322	3422	3522	3622	3722	3822	3922	4022	4122	4222	4322	4422	4522	4622	4722	4822	4922	5022	5122	5222	5322	5422	5522
KG	31.05	31.87	32.69	33.51	34.33	35.15	35.97	36.79	37.61	38.43	39.25	40.07	40.89	41.71	42.53	43.35	44.17	44.99	45.81	46.63	47.45	48.27	49.09	49.91	50.73

MK110

Max. speed **5000mm/s**
Max. stroke **4800mm**
Motor capacity **750w**

MK110 - 2000 - L - M7B - C4 - 10 - A001

Model

Stroke

100-4800mm
100 intervals

Motor position

L	Left fold motor
LU	Left upper folding of motor
LD	Lower left folding of motor
LT	Directly fold the motor to the left
LL	Left folding of motor output axis
R	Motor folded to the right
RU	Motor folded up to the right
RD	Lower right folding of motor
RT	Directly fold the motor to the right
RR	The motor axis is folded to the right

Fixed motor size

M7	Servo PCD90-M6- Axis 19
P7	Servo PCD90-M5- Axis 19

magnet reed switch number of switches

C3	Switch*2
C4	Switch*3
E5	without

Reduction ratio

10	10
15	15
20	20
N	No gearbox

Only: LL/RR can choose N

Annotated style

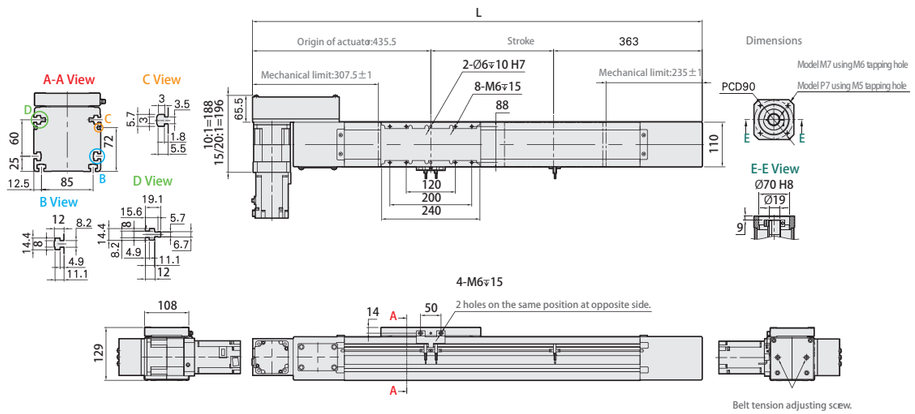
Product parameter

Motor speed(rpm/min)		10:1	15:1	20:1
Max. speed(mm/s)		1250	833	625
Max. oad(KG)	Max. horizontal load	100	150	200
	Max. vertical load	23	36	50
Position repetition accuracy(mm)		±0.1		
Stationary thrust (N)		765		
Standard stroke (mm)		100-4800mm/100mm pitch with intervals of 100mm		
AC servo motor capacity(W)		750		
Belt width (mm)		50		
High rigidity straight slide rail(mm)		W23XH18		
Origin inductor	Plug-in	EE-SX672(NPN)		

1. Set the motor acceleration and deceleration to 0.4 seconds.
2. When used vertically, if the belt breaks, there is a risk of the load falling off. Please be aware.
3. When the slide table is not equipped with a reducer, the lead is 110.

Motor left side

Unit:mm

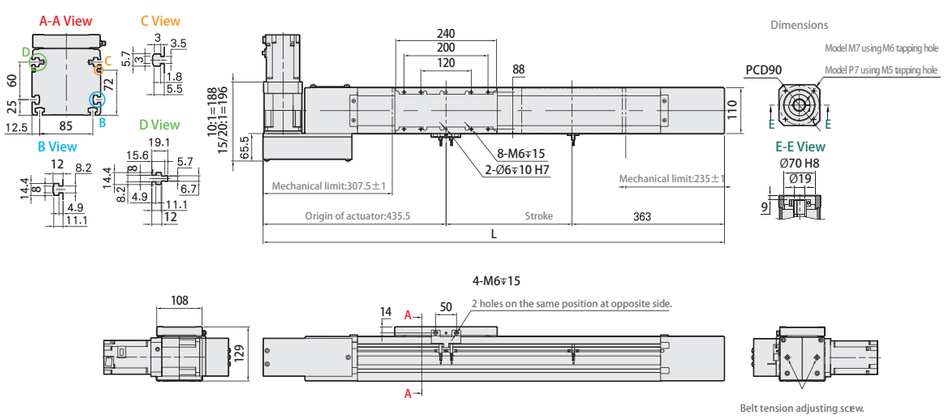


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	898.5	998.5	1098.5	1198.5	1298.5	1398.5	1498.5	1598.5	1698.5	1798.5	1898.5	1998.5	2098.5	2198.5	2298.5	2398.5	2498.5	2598.5	2698.5	2798.5	2898.5	2998.5	3098.5	3198.5
KG	24.09	25.33	26.57	27.81	29.05	30.29	31.53	32.77	34.01	35.25	36.49	37.73	38.97	40.21	41.45	42.69	43.93	45.17	46.41	47.65	48.89	50.13	51.37	52.61

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3298.5	3398.5	3498.5	3598.5	3698.5	3798.5	3898.5	3998.5	4098.5	4198.5	4298.5	4398.5	4498.5	4598.5	4698.5	4798.5	4898.5	4998.5	5098.5	5198.5	5298.5	5398.5	5498.5	5598.5
KG	53.85	55.09	56.33	57.57	58.81	60.05	61.29	62.53	63.77	65.01	66.25	67.49	68.73	69.97	71.21	72.45	73.69	74.93	76.17	77.41	78.65	79.89	81.13	82.37

Motor right side

Unit:mm

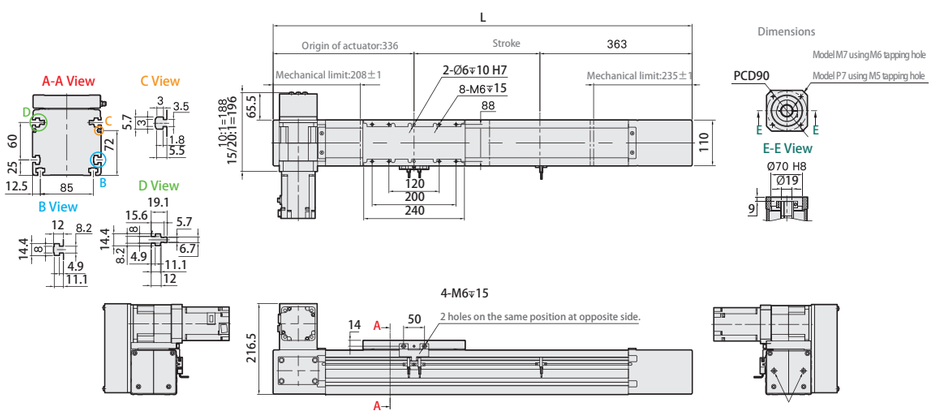


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	898.5	998.5	1098.5	1198.5	1298.5	1398.5	1498.5	1598.5	1698.5	1798.5	1898.5	1998.5	2098.5	2198.5	2298.5	2398.5	2498.5	2598.5	2698.5	2798.5	2898.5	2998.5	3098.5	3198.5
KG	24.09	25.33	26.57	27.81	29.05	30.29	31.53	32.77	34.01	35.25	36.49	37.73	38.97	40.21	41.45	42.69	43.93	45.17	46.41	47.65	48.89	50.13	51.37	52.61

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3298.5	3398.5	3498.5	3598.5	3698.5	3798.5	3898.5	3998.5	4098.5	4198.5	4298.5	4398.5	4498.5	4598.5	4698.5	4798.5	4898.5	4998.5	5098.5	5198.5	5298.5	5398.5	5498.5	5598.5
KG	53.85	55.09	56.33	57.57	58.81	60.05	61.29	62.53	63.77	65.01	66.25	67.49	68.73	69.97	71.21	72.45	73.69	74.93	76.17	77.41	78.65	79.89	81.13	82.37

Motor Left Upper Side

Unit:mm

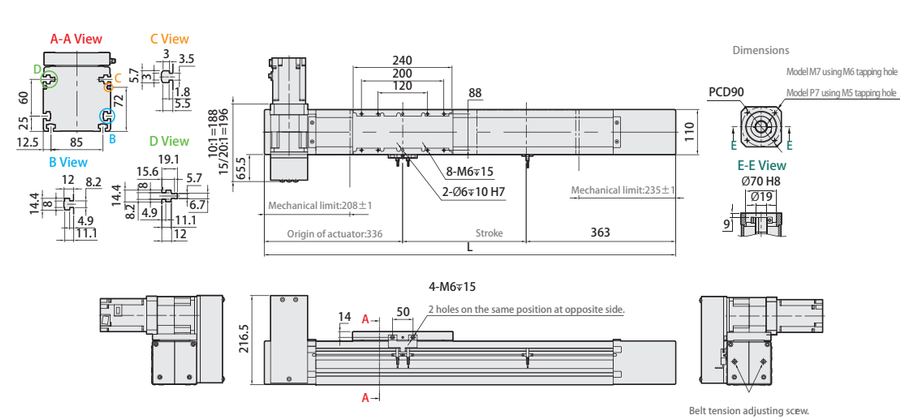


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	24.09	25.33	26.57	27.81	29.05	30.29	31.53	32.77	34.01	35.25	36.49	37.73	38.97	40.21	41.45	42.69	43.93	45.17	46.41	47.65	48.89	50.13	51.37	52.61

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	53.85	55.09	56.33	57.57	58.81	60.05	61.29	62.53	63.77	65.01	66.25	67.49	68.73	69.97	71.21	72.45	73.69	74.93	76.17	77.41	78.65	79.89	81.13	82.37

Motor Right Upper Side

Unit:mm

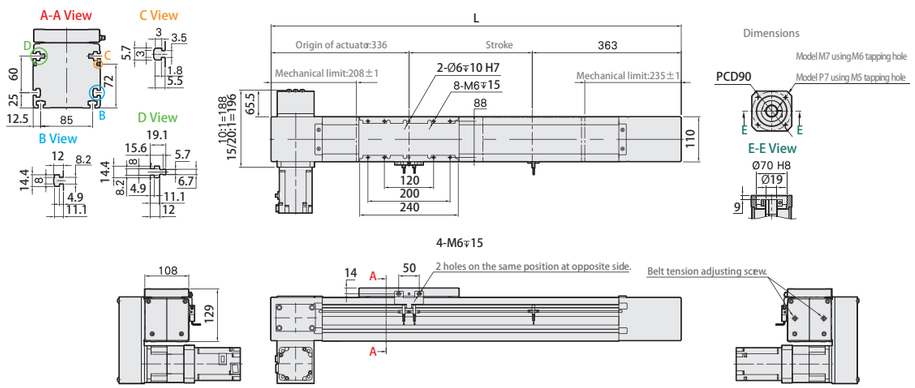


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	24.09	25.33	26.57	27.81	29.05	30.29	31.53	32.77	34.01	35.25	36.49	37.73	38.97	40.21	41.45	42.69	43.93	45.17	46.41	47.65	48.89	50.13	51.37	52.61

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	53.85	55.09	56.33	57.57	58.81	60.05	61.29	62.53	63.77	65.01	66.25	67.49	68.73	69.97	71.21	72.45	73.69	74.93	76.17	77.41	78.65	79.89	81.13	82.37

Motor Left Lower Side

Unit:mm

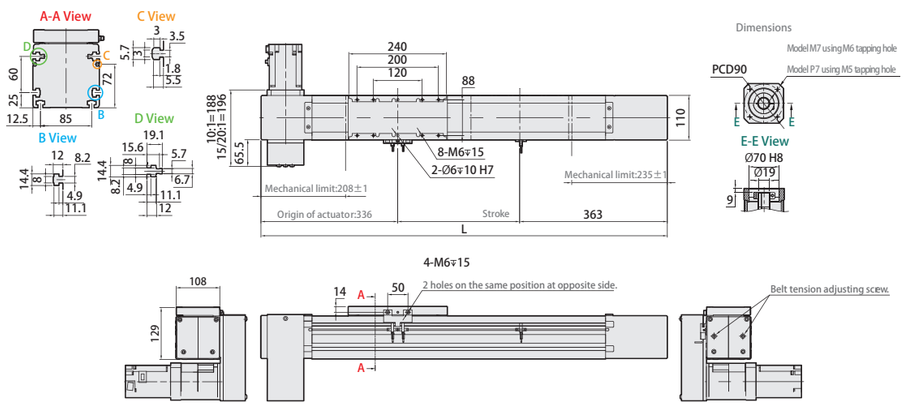


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	24.09	25.33	26.57	27.81	29.05	30.29	31.53	32.77	34.01	35.25	36.49	37.73	38.97	40.21	41.45	42.69	43.93	45.17	46.41	47.65	48.89	50.13	51.37	52.61

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	53.85	55.09	56.33	57.57	58.81	60.05	61.29	62.53	63.77	65.01	66.25	67.49	68.73	69.97	71.21	72.45	73.69	74.93	76.17	77.41	78.65	79.89	81.13	82.37

Motor Right Lower Side

Unit:mm

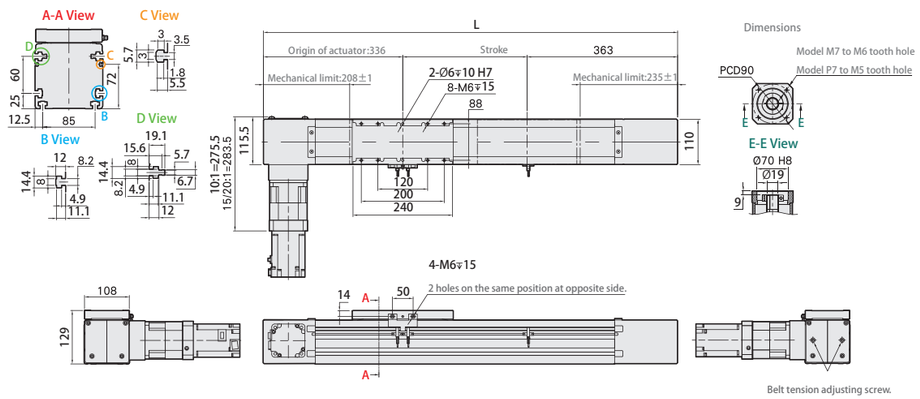


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	24.09	25.33	26.57	27.81	29.05	30.29	31.53	32.77	34.01	35.25	36.49	37.73	38.97	40.21	41.45	42.69	43.93	45.17	46.41	47.65	48.89	50.13	51.37	52.61

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	53.85	55.09	56.33	57.57	58.81	60.05	61.29	62.53	63.77	65.01	66.25	67.49	68.73	69.97	71.21	72.45	73.69	74.93	76.17	77.41	78.65	79.89	81.13	82.37

Directly fold the motor to the left

单位 Unit:mm

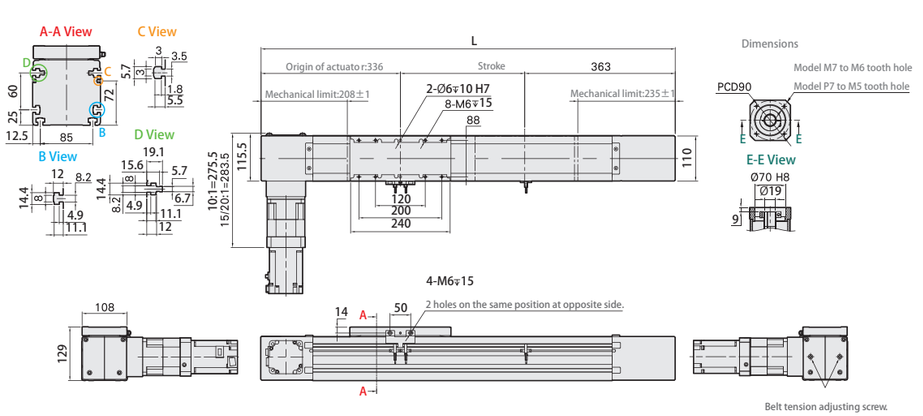


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	21.33	22.57	23.81	25.05	26.29	27.53	28.77	30.01	31.25	32.49	33.73	34.97	36.21	37.45	38.69	39.93	41.17	42.41	43.65	44.89	46.13	47.37	48.61	49.85

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	51.09	52.33	53.57	54.81	56.05	57.29	58.53	59.77	61.01	62.25	63.49	64.73	65.97	67.21	68.45	69.69	70.93	72.17	73.41	74.65	75.89	77.13	78.37	79.61

Directly fold the motor to the right

Unit:mm

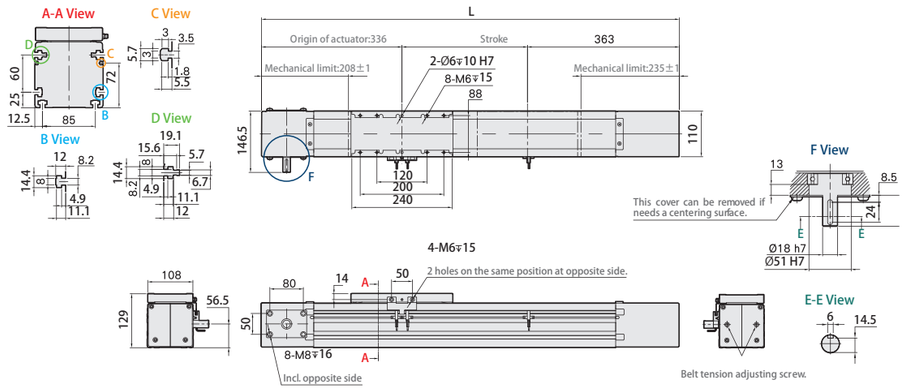


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	21.33	22.57	23.81	25.05	26.29	27.53	28.77	30.01	31.25	32.49	33.73	34.97	36.21	37.45	38.69	39.93	41.17	42.41	43.65	44.89	46.13	47.37	48.61	49.85

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	51.09	52.33	53.57	54.81	56.05	57.29	58.53	59.77	61.01	62.25	63.49	64.73	65.97	67.21	68.45	69.69	70.93	72.17	73.41	74.65	75.89	77.13	78.37	79.61

Left folding of motor output axis

Unit:mm

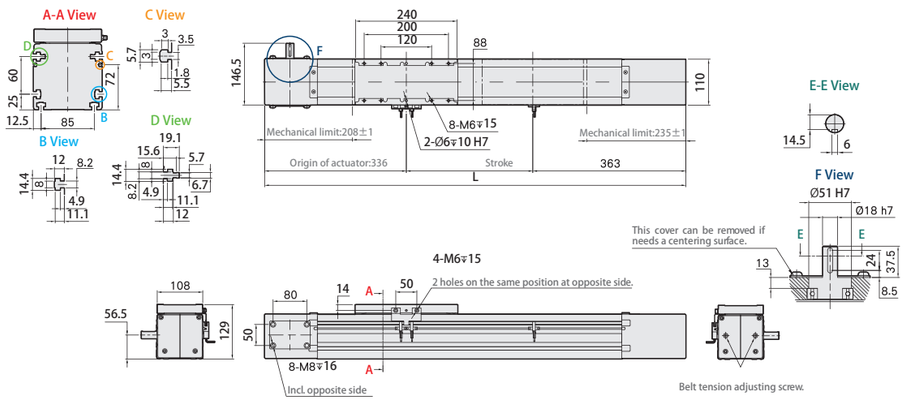


Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	18.86	20.1	21.34	22.58	23.82	25.06	26.3	27.54	28.78	30.02	31.26	32.5	33.74	34.98	36.22	37.46	38.7	39.94	41.18	42.42	43.66	44.9	46.14	47.38

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	48.62	49.86	51.1	52.34	53.58	54.82	56.06	57.3	58.54	59.78	61.02	62.26	63.5	64.74	65.98	67.22	68.46	69.7	70.94	72.18	73.42	74.66	75.9	77.14

The motor axis is folded to the right

Unit:mm



Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000	2100	2200	2300	2400
L	799	899	999	1099	1199	1299	1399	1499	1599	1699	1799	1899	1999	2099	2199	2299	2399	2499	2599	2699	2799	2899	2999	3099
KG	18.86	20.1	21.34	22.58	23.82	25.06	26.3	27.54	28.78	30.02	31.26	32.5	33.74	34.98	36.22	37.46	38.7	39.94	41.18	42.42	43.66	44.9	46.14	47.38

Stroke	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	3600	3700	3800	3900	4000	4100	4200	4300	4400	4500	4600	4700	4800
L	3199	3299	3399	3499	3599	3699	3799	3899	3999	4099	4199	4299	4399	4499	4599	4699	4799	4899	4999	5099	5199	5299	5399	5499
KG	48.62	49.86	51.1	52.34	53.58	54.82	56.06	57.3	58.54	59.78	61.02	62.26	63.5	64.74	65.98	67.22	68.46	69.7	70.94	72.18	73.42	74.66	75.9	77.14

MEMO

01

LINEAR MOTOR MODULE

Intro

TOKK linear motor modules, known for their high precision, fast speed, smooth operation, simple structure, high integration, standardized series, and cost efficiency, have been widely applied across various industries. They have also gained high recognition and favor in the industry. From simple handling and conveying to precise measurement and machining, TOKK's linear motor technology is applicable in a wide range of processing techniques and working conditions. Additionally, its customizable flexible configurations, high stability, and excellent cost performance meet diverse customer application needs.

Advantages

1. Molded parts and standardization for lower costs
2. Compact structure
3. Supports multi-axis configurations (Z-axis, cross, cantilever, gantry, etc.), offering versatility and flexibility
4. Supports multiple mover-slider applications
5. Unlimited stroke extension available
6. High precision with optional feedback units, achieving sub-micron accuracy
7. Easy to customize with flexible design options
8. Wide range of applications

Disadvantages

1. Higher costs for traditional drive systems
2. Relative complexity in motion control

Application Industry

3C industry (Computers, Communication, Consumer electronics)
Semiconductor industry
Automotive industry
LCD panel industry
New energy industry
Photovoltaic industry
Laser processing industry
.....

TLM series linear motor module naming rules

TLM 140-1-L 00-M0.5 S0 -CA55-1 H -5 -D00

Motor Type	
code	description
TLM	linear motor module
TSLM	fully-sealed linear motor module

Module Width	
code	description
65	65 mm
85	85 mm
140	140mm
170	170mm
210	210mm
235	235mm
...	...

Number of Slides	
code	description
1	single slider (standard)
2	double slider (custom)
...	...

Stroke	
code	description
L200	200mm
L300	300mm
...	...

Feedback Method	
code	description
M	magnetic scale
G	optical scale

Customization	
code	description
null	standard
D00	standard
D01	module

Cable length	
code	description
1	1m
2	2m
null	5m (standard)
...	...

Sensor Option	
code	description
null	no sensor
H	with Hall sensor

Motor Type	
code	description
CA55-1	TICA55-105
CA55-2	TICA55-193
CA55-3	TICA55-280
UA38-1	TUA 38-61
UA38-2	TUA 38-121
...	...

Limit Switch	
code	description
null	photoelectric switch
S0	built-in encoder

Resolution	
code	description
1	1μm
0.5	0.5μm
...	...

Linear module TLM65 series

Continuous thrust	48N~144N
Peak thrust	138N~414N
Temperature rise	< 0.05℃/W
Thrust fluctuation	< 2%

Product parameter

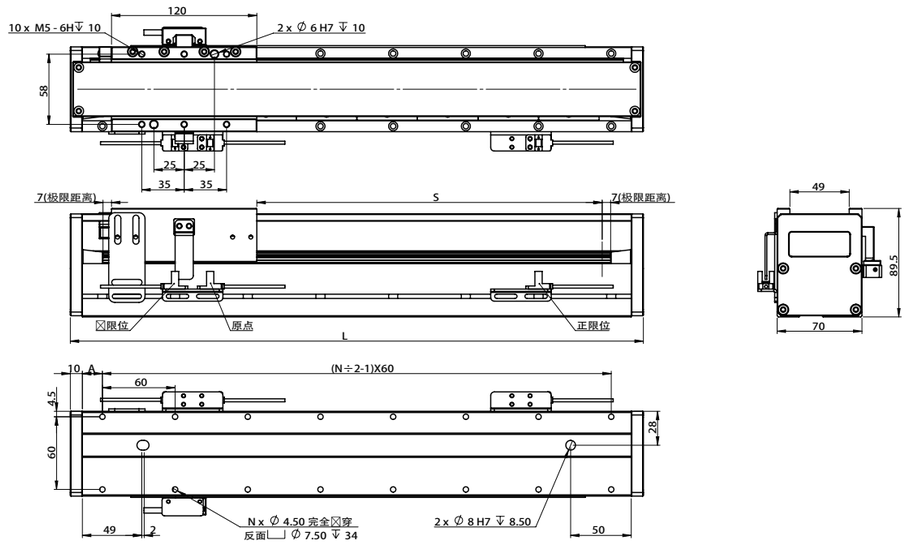
Motor Model	TICA35-1	TICA35-2	TICA35-3
Cont. Thrust (N)	48	96	144
Peak Thrust (N)	138	276	414
Cont. Current (A)	3.39	3.39	3.39
Max. Current (A)	10.34	10.34	10.34
Max. Speed*1 (m/s)	4		
Max. Accel.*1 (m/s²)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*1 (kg)	30		
Height (mm)	89.5		
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TLM65-TICA35-1

TLM65-TICA35-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	223	273	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173
No. of Holes: N	4	4	5	6	7	8	9	9	10	11	12	13	14	14	15	16	17	18	19	19
Hole to End: A	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5
Mod. Wt. (kg)	3.4	3.8	4.2	4.6	5	5.4	5.8	6.2	6.6	7	7.4	7.8	8.2	8.6	9	9.4	9.8	10.2	10.6	11
Comp. Wt. (kg)	1.5																			

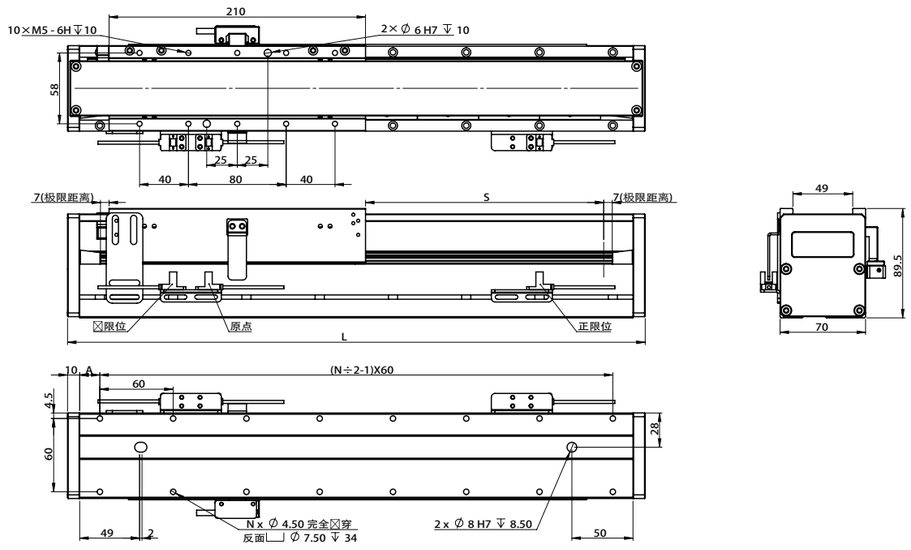
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1223	1273	1323	1373	1423	1473	1523	1573	1623	1673	1723	1773	1823	1873	1923	1973	2023	2073	2123	2173
No. of Holes: N	20	21	22	23	24	24	25	26	27	28	29	29	30	31	32	33	34	34	35	36
Hole to End: A	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5
Mod. Wt. (kg)	11.4	11.8	12.2	12.6	13	13.4	13.8	14.1	14.4	14.7	15	15.3	15.6	15.9	16.2	16.5	16.8	17.1	17.4	17.7
Comp. Wt. (kg)	1.5																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM65-TICA35-2

TLM65-TICA35-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275
No. of Holes: N	5	6	7	8	9	9	10	11	12	13	14	14	15	16	17	18	19	19	20	21
Hole to End: A	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5
Mod. Wt. (kg)	5.2	5.6	6	6.4	6.8	7.2	7.6	8	8.4	8.8	9.2	9.6	10	10.4	10.8	11.2	11.6	12	12.4	12.8
Comp. Wt. (kg)	2.4																			

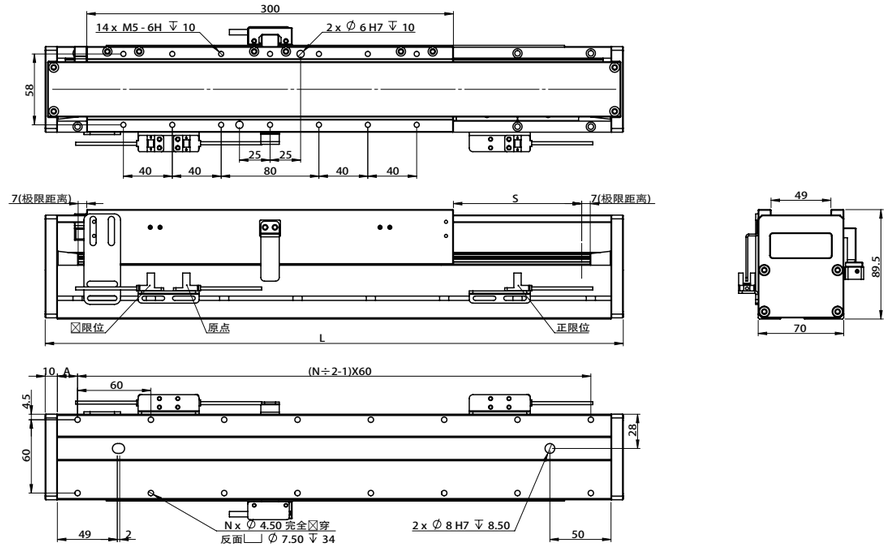
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1325	1375	1425	1475	1525	1575	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2275
No. of Holes: N	22	23	24	24	25	26	27	28	29	29	30	31	32	33	34	34	35	36	37	38
Hole to End: A	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5
Mod. Wt. (kg)	13.2	13.6	14	14.4	14.8	15.1	15.4	15.7	16	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19	19.3
Comp. Wt. (kg)	2.4																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM65-TICA35-3

TLM65-TICA35-3

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275
No. of Holes: N	5	6	7	8	9	9	10	11	12	13	14	14	15	16	17	18	19	19	20	21
Hole to End: A	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5
Mod. Wt. (kg)	5.2	5.6	6	6.4	6.8	7.2	7.6	8	8.4	8.8	9.2	9.6	10	10.4	10.8	11.2	11.6	12	12.4	12.8
Comp. Wt. (kg)	3.6																			

Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1325	1375	1425	1475	1525	1575	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2275
No. of Holes: N	22	23	24	24	25	26	27	28	29	29	30	31	32	33	34	34	35	36	37	38
Hole to End: A	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5
Mod. Wt. (kg)	13.2	13.6	14	14.4	14.8	15.1	15.4	15.7	16	16.3	16.6	16.9	17.2	17.5	17.8	18.1	18.4	18.7	19	19.3
Comp. Wt. (kg)	3.6																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TLM85 series

Continuous thrust 60N~180N

Peak thrust 173N~519N

Temperature rise < 0.05℃/W

Thrust fluctuation < 2%

Product parameter

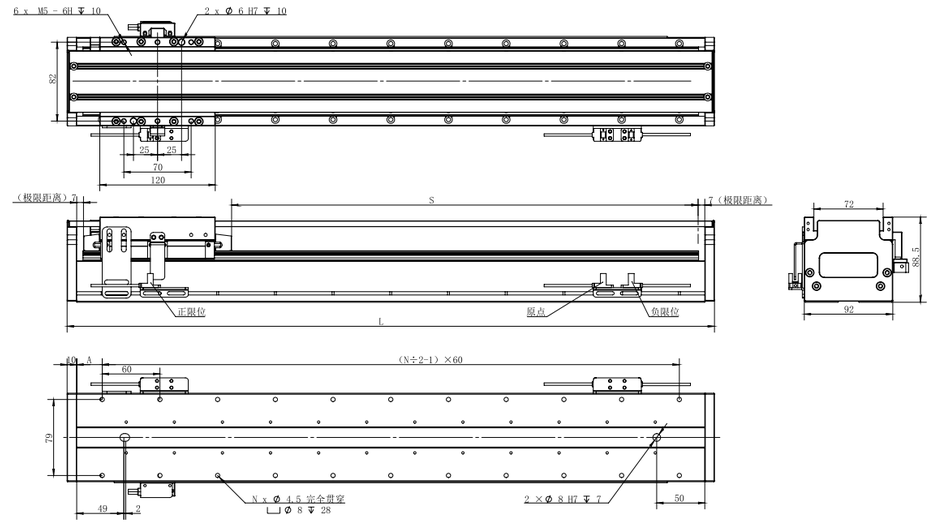
Motor Model	TICA40-1	TICA40-2	TICA40-3
Cont. Thrust (N)	60	120	180
Peak Thrust (N)	173	346	519
Cont. Current (A)	3.4	3.4	3.4
Max. Current (A)	10.37	10.37	10.37
Max. Speed*1 (m/s)	4		
Max. Accel.*1 (m/s²)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*1 (kg)	50		
Height (mm)	88.5		
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TLM85-TICA40-1

TLM85-TICA40-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	223	273	323	373	423	473	523	573	623	673	723	773	823	873	923	973	1023	1073	1123	1173
No. of Holes: N	4	4	5	6	7	8	9	9	10	11	12	13	14	14	15	16	17	18	19	19
Hole to End: A	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5
Mod. Wt. (kg)	4.7	5.3	5.8	6.4	6.9	7.5	8.0	8.6	9.1	9.7	10.2	10.8	11.3	11.9	12.4	13.0	13.5	14.1	14.6	15.2
Comp. Wt. (kg)	2.2																			

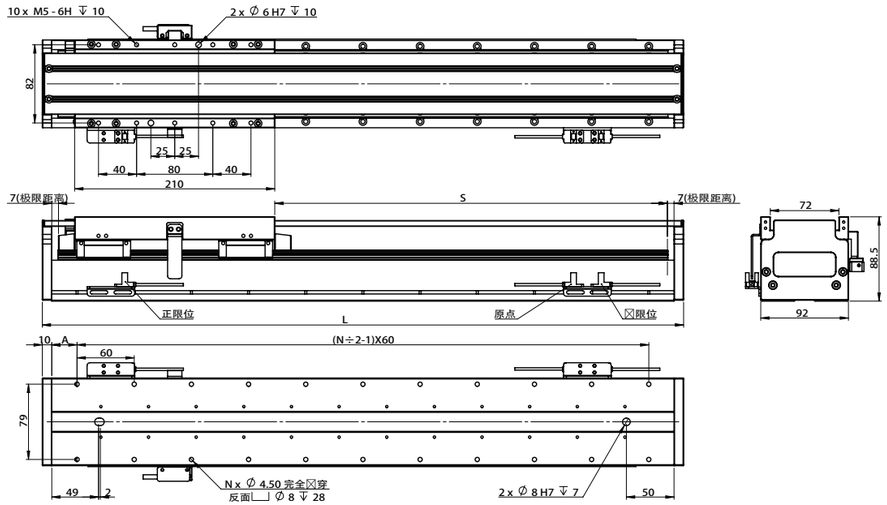
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1223	1273	1323	1373	1423	1473	1523	1573	1623	1673	1723	1773	1823	1873	1923	1973	2023	2073	2123	2173
No. of Holes: N	20	21	22	23	24	24	25	26	27	28	29	29	30	31	32	33	34	34	35	36
Hole to End: A	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5	21.5	16.5	11.5	36.5	31.5	26.5
Mod. Wt. (kg)	15.7	16.3	16.8	17.4	17.9	18.5	18.4	18.9	19.4	19.9	20.4	20.9	21.4	21.9	22.4	22.9	23.4	23.9	24.4	24.9
Comp. Wt. (kg)	2.2																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM85-TICA40-2

TLM85-TICA40-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	325	375	425	475	525	575	625	675	725	775	825	875	925	975	1025	1075	1125	1175	1225	1275
No. of Holes: N	5	6	7	8	9	9	10	11	12	13	14	14	15	16	17	18	19	19	20	21
Hole to End: A	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5
Mod. Wt. (kg)	6.9	7.5	8.0	8.6	9.1	9.7	10.2	10.8	11.3	11.9	12.4	13.0	13.5	14.1	14.6	15.2	15.7	16.3	16.8	17.4
Comp. Wt. (kg)	3.2																			

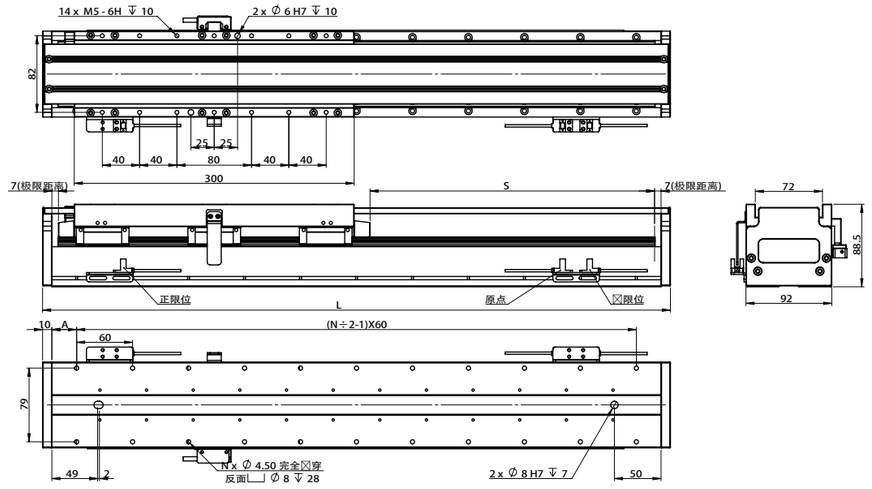
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1325	1375	1425	1475	1525	1575	1625	1675	1725	1775	1825	1875	1925	1975	2025	2075	2125	2175	2225	2275
No. of Holes: N	22	23	24	24	25	26	27	28	29	29	30	31	32	33	34	34	35	36	37	38
Hole to End: A	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5	12.5	37.5	32.5	27.5	22.5	17.5
Mod. Wt. (kg)	17.9	18.5	19.0	19.6	19.5	20.0	20.5	21.0	21.5	22.0	22.5	23.0	23.5	24.0	24.5	25.0	25.5	26.0	26.5	27.0
Comp. Wt. (kg)	3.2																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM85-TICA40-3

TLM85-TICA40-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328
No. of Holes: N	6	7	8	9	9	10	11	12	13	14	14	15	16	17	18	19	19	20	21	22
Hole to End: A	29	24	19	14	39	34	29	24	19	14	39	34	29	24	19	14	39	34	29	24
Mod. Wt. (kg)	9.2	9.8	10.3	10.9	11.4	12.0	12.5	13.1	13.6	14.2	14.7	15.3	15.8	16.4	16.9	17.5	18.0	18.6	19.1	19.7
Comp. Wt. (kg)	4.7																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1378	1428	1478	1528	1578	1628	1678	1728	1778	1828	1878	1928	1978	2028	2078	2128	2178	2228	2278	2328
No. of Holes: N	23	24	24	25	26	27	28	29	29	30	31	32	33	34	34	35	36	37	38	39
Hole to End: A	19	14	39	34	29	24	19	14	39	34	29	24	19	14	39	34	29	24	19	14
Mod. Wt. (kg)	20.2	20.8	21.3	21.2	21.7	22.2	22.7	23.2	23.7	24.2	24.7	25.2	25.7	26.2	26.7	27.2	27.7	28.2	28.7	29.2
Comp. Wt. (kg)	4.7																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TLM140 series

Continuous thrust 91N~273N

Peak thrust 252N~756N

Temperature rise < 0.05℃/W

Thrust fluctuation < 2%

Product parameter

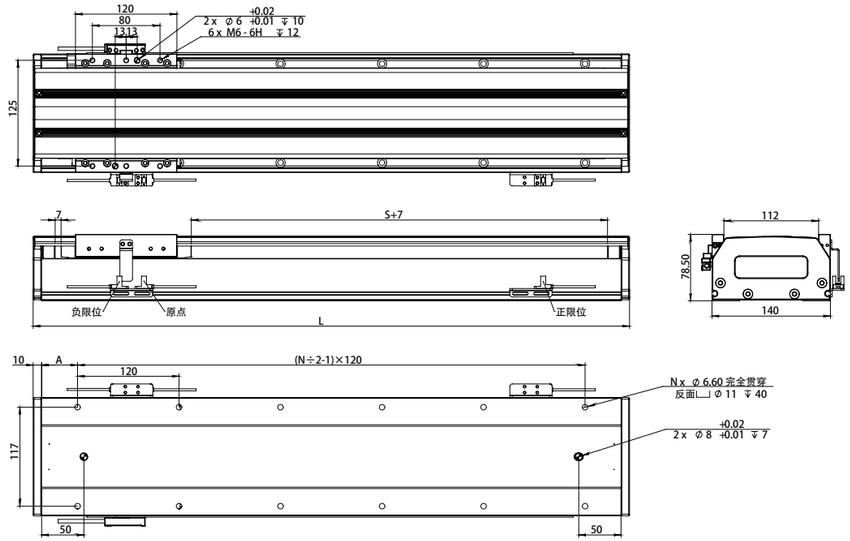
Motor Model	TICA55-1	TICA55-2	TICA55-3
Cont. Thrust (N)	91	182	273
Peak Thrust (N)	252	504	756
Cont. Current (A)	3.38	3.38	3.38
Max. Current (A)	10.31	10.31	10.31
Max. Speed*1 (m/s)	5		
Max. Accel.*1 (m/s²)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*1 (kg)	100		
Height (mm)	78.5		
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TLM140-TICA55-1

TLM140-TICA55-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	255	305	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205
No. of Holes: N	4	6	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
Hole to End: A	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5
Mod. Wt. (kg)	6.15	6.92	7.69	8.46	9.23	10	10.8	11.5	12.31	13.1	13.8	14.6	15.38	16.2	16.9	17.7	18.5	19.2	20	20.8
Comp. Wt. (kg)	2.35																			

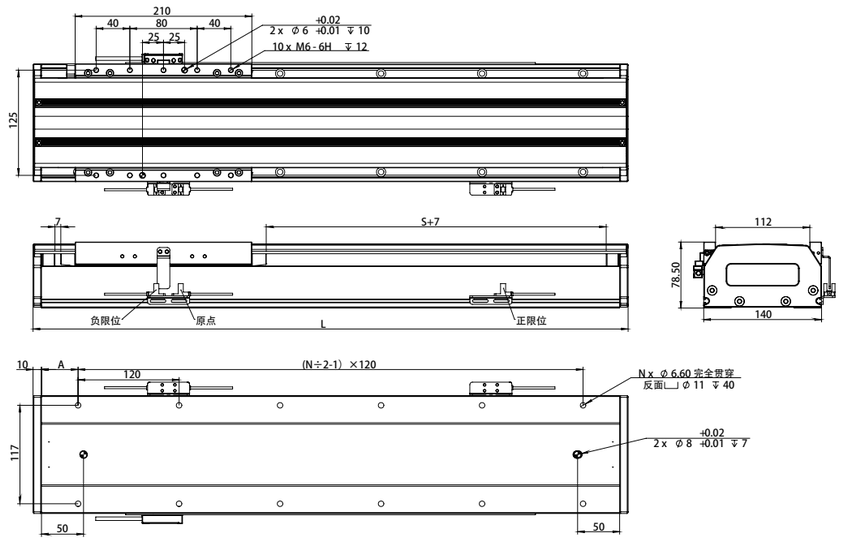
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1905	1955	2005	2055	2105	2155	2205
No. of Holes: N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36
Hole to End: A	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5
Mod. Wt. (kg)	21.5	22.3	23.08	23.8	24.6	25.4	26.2	26.9	27.69	28.5	29.2	30	30.77	31.5	32.3	33.1	33.8	34.6	35.38	36.1
Comp. Wt. (kg)	2.35																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM140-TICA55-2

TLM140-TICA55-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	357	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307
No. of Holes: N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22
Hole to End: A	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5
Mod. Wt. (kg)	8.13	8.9	9.67	10.4	11.2	12	12.7	13.5	14.28	15.1	15.8	16.6	17.36	18.1	18.9	19.7	20.4	21.2	21.97	22.7
Comp. Wt. (kg)	3.35																			

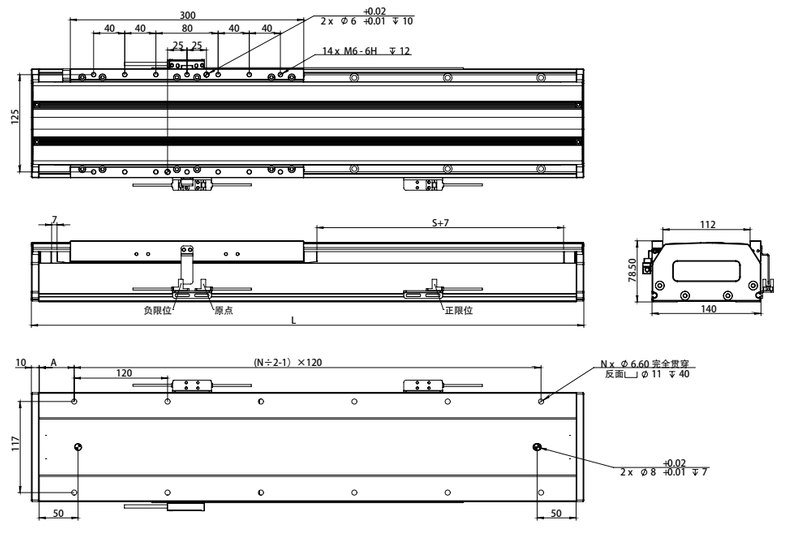
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057	2107	2157	2207	2257	2307
No. of Holes: N	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38
Hole to End: A	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5
Mod. Wt. (kg)	23.5	24.3	25.05	25.8	26.6	27.4	28.1	28.9	29.67	30.4	31.2	32	32.74	33.5	34.3	35.1	35.8	36.6	37.36	38.1
Comp. Wt. (kg)	3.35																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM140-TICA55-3

TLM140-TICA55-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360
No. of Holes: N	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22	22
Hole to End: A	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30	55	20	45	70
Mod. Wt. (kg)	10.6	11.3	12.11	12.9	13.6	14.4	15.1	15.9	16.65	17.4	18.2	18.9	19.68	20.4	21.2	22	22.7	23.5	24.23	25
Comp. Wt. (kg)	4.42																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360
No. of Holes: N	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38	40
Hole to End: A	35	60	25	50	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30
Mod. Wt. (kg)	25.7	26.5	27.26	28.0	28.8	29.5	30.3	31.1	31.81	32.6	33.3	34.1	34.84	35.6	36.4	37.1	37.9	38.6	39.39	40.1
Comp. Wt. (kg)	4.42																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TLM170 series

Continuous thrust	138N~414N
Peak thrust	371N~1113N
Temperature rise	< 0.05℃/W
Thrust fluctuation	< 2%

Product parameter

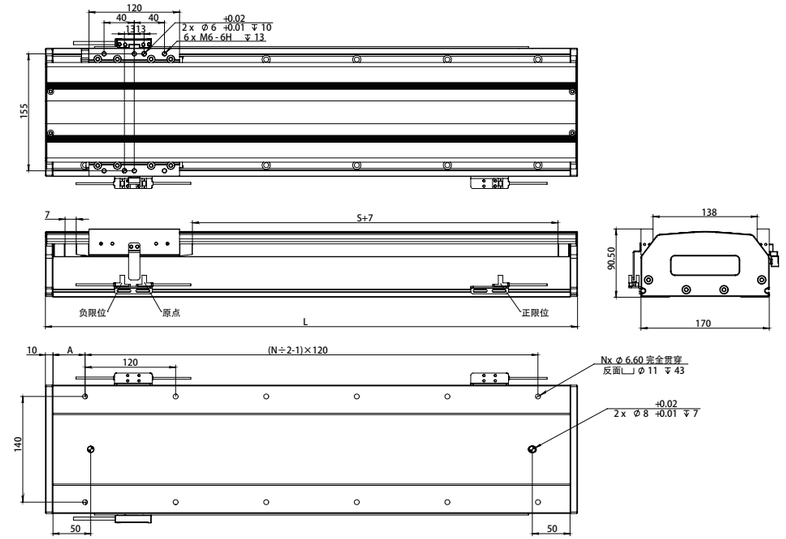
Motor Model	TICA75-1	TICA75-2	TICA75-3
Cont. Thrust (N)	138	276	414
Peak Thrust (N)	371	742	1113
Cont. Current (A)	3.23	3.23	3.23
Max. Current (A)	10.31	10.31	10.31
Max. Speed*1 (m/s)	5		
Max. Accel.*1 (m/s^2)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*1 (kg)	160		
Height (mm)	90.5		
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TLM170-TICA75-1

TLM170-TICA75-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	255	305	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205
No. of Holes: N	4	6	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
Hole to End: A	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5
Mod. Wt. (kg)	8.03	9.07	10.11	11.1	12.2	13.2	14.3	15.3	16.34	17.4	18.4	19.5	20.49	21.5	22.6	23.6	24.6	25.7	26.72	27.8
Comp. Wt. (kg)	2.9																			

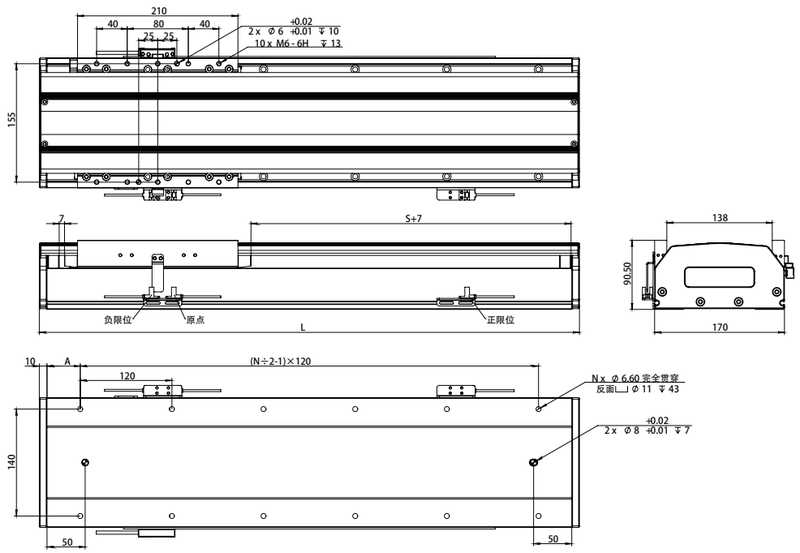
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1905	1955	2005	2055	2105	2155	2205
No. of Holes: N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36
Hole to End: A	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5
Mod. Wt. (kg)	28.8	29.8	30.87	31.9	32.9	34	35.1	36.1	37.10	38.1	39.2	40.2	41.25	42.3	43.3	44.4	45.4	46.4	47.48	48.5
Comp. Wt. (kg)	2.9																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM170-TICA75-2

TLM170-TICA75-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	357	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307
No. of Holes: N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22
Hole to End: A	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5
Mod. Wt. (kg)	12.1	13.1	14.16	15.2	16.2	17.3	18.3	19.4	20.42	21.5	22.5	23.5	24.59	25.6	26.7	27.7	28.8	29.8	30.85	31.9
Comp. Wt. (kg)	4.81																			

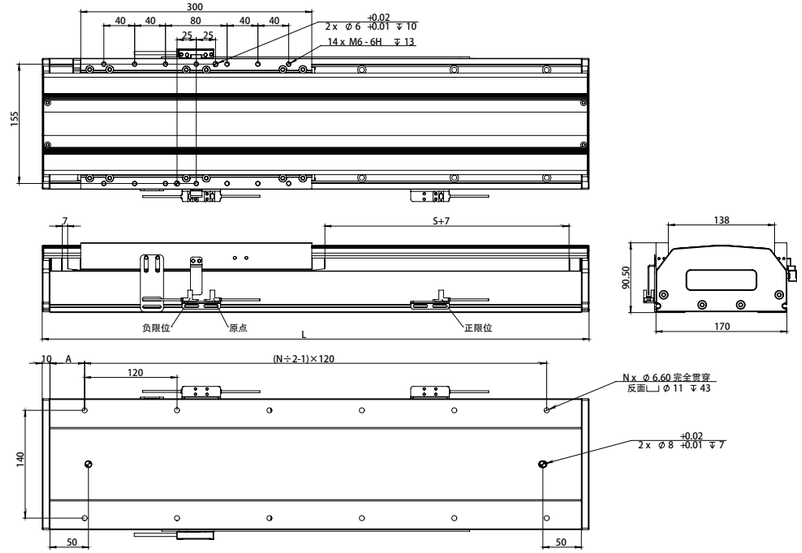
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057	2107	2157	2207	2257	2307
No. of Holes: N	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38
Hole to End: A	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5
Mod. Wt. (kg)	32.9	34	35.02	36.1	37.1	38.1	39.2	40.2	41.28	42.3	43.4	44.4	45.45	46.5	47.5	48.6	49.6	50.7	51.70	52.7
Comp. Wt. (kg)	4.81																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM170-TICA75-3

TLM170-TICA75-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360
No. of Holes: N	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22	22
Hole to End: A	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30	55	20	45	70
Mod. Wt. (kg)	14.3	15.3	16.34	17.4	18.4	19.4	20.5	21.5	22.52	23.5	24.6	25.6	26.64	27.7	28.7	29.7	30.8	31.8	32.82	33.8
Comp. Wt. (kg)	5.92																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360
No. of Holes: N	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38	40
Hole to End: A	35	60	25	50	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30
Mod. Wt. (kg)	34.9	35.9	36.94	38	39	40	41.1	42.1	43.12	44.1	45.2	46.2	47.24	48.3	49.3	50.3	51.4	52.4	53.42	54.4
Comp. Wt. (kg)	5.92																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TLM210 series

Continuous thrust	189N~567N
Peak thrust	522N~1566N
Temperature rise	< 0.05℃/W
Thrust fluctuation	< 2%

Product parameter

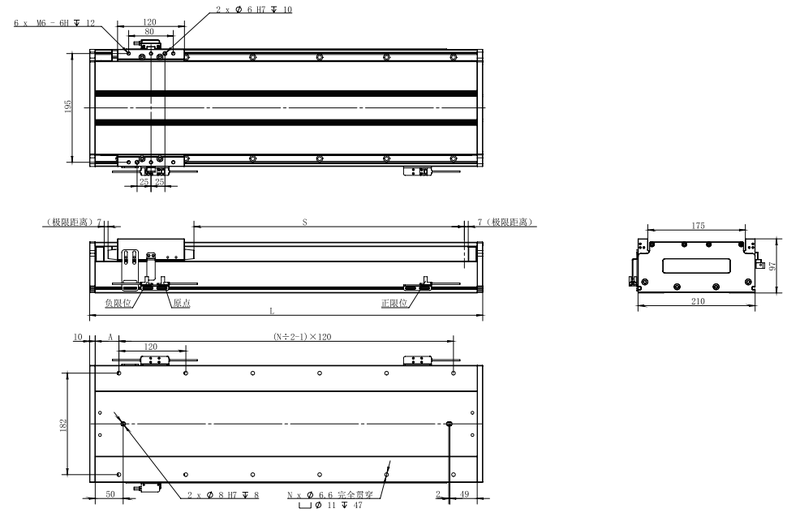
Motor Model	TICA95-1	TICA95-2	TICA95-3
Cont. Thrust (N)	189	378	567
Peak Thrust (N)	522	1044	1566
Cont. Current (A)	3.28	3.28	3.28
Max. Current (A)	10.3	10.3	10.3
Max. Speed*¹ (m/s)	5		
Max. Accel.*¹ (m/s²)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*¹ (kg)	250		
Height (mm)	97		
Stroke*² (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*¹ Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*² For longer strokes, please contact the manufacturer.

TLM210-TICA95-1

TLM210-TICA95-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	255	305	355	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205
No. of Holes: N	4	6	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
Hole to End: A	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5
Mod. Wt. (kg)	10.7	12.0	13.42	14.8	16.2	17.6	19	20.4	21.74	23.1	24.5	25.9	27.29	28.7	30.1	31.4	32.8	34.2	35.61	37
Comp. Wt. (kg)	3.91																			

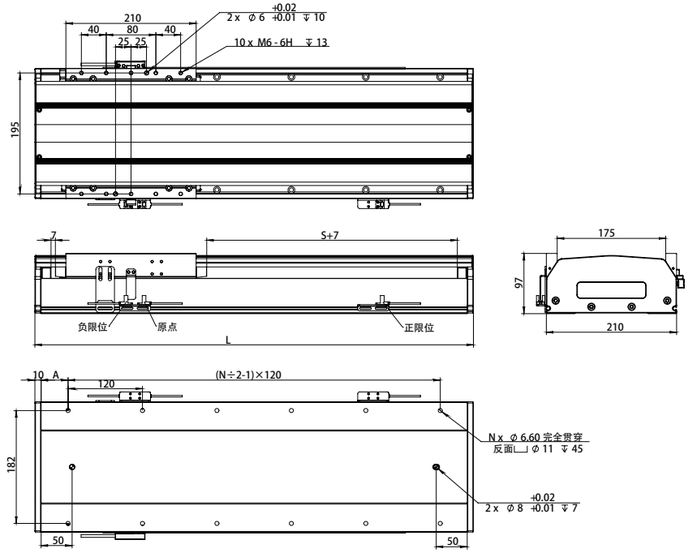
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1255	1305	1355	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1905	1955	2005	2055	2105	2155	2205
No. of Holes: N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36
Hole to End: A	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5
Mod. Wt. (kg)	38.4	39.8	41.16	42.5	43.9	45.3	46.7	48.1	49.47	50.9	52.2	53.6	55.02	56.4	57.8	59.2	60.6	62	63.33	64.7
Comp. Wt. (kg)	3.91																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM210-TICA95-2

TLM210-TICA95-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	357	407	457	507	557	607	657	707	757	807	857	907	957	1007	1057	1107	1157	1207	1257	1307
No. of Holes: N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22
Hole to End: A	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5
Mod. Wt. (kg)	16.4	17.8	19.19	20.6	22	23.4	24.7	26.1	27.51	28.9	30.3	31.7	33.05	34.4	35.8	37.2	38.6	40	41.36	42.7
Comp. Wt. (kg)	6.86																			

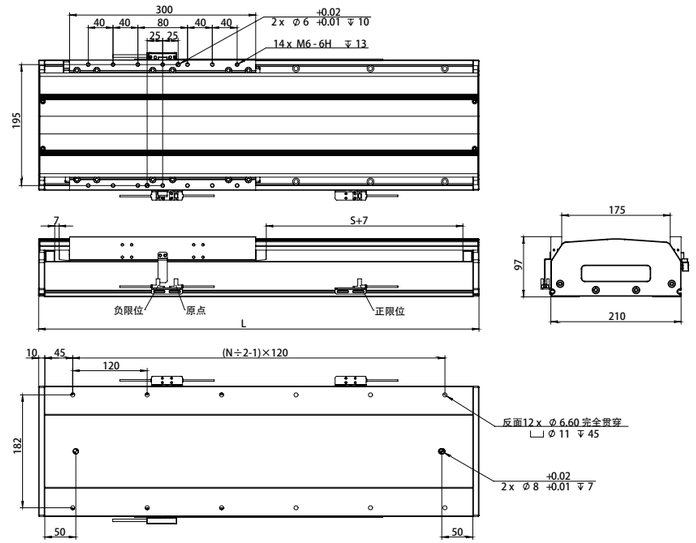
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1357	1407	1457	1507	1557	1607	1657	1707	1757	1807	1857	1907	1957	2007	2057	2107	2157	2207	2257	2307
No. of Holes: N	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38
Hole to End: A	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5
Mod. Wt. (kg)	44.1	45.5	46.9	48.3	49.7	51.1	52.4	53.8	55.21	56.6	58	59.4	60.75	62.1	63.5	64.9	66.3	67.7	69.06	70.4
Comp. Wt. (kg)	6.86																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM210-TICA95-3

TLM210-TICA95-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	410	460	510	560	610	660	710	760	810	860	910	960	1010	1060	1110	1160	1210	1260	1310	1360
No. of Holes: N	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22	22
Hole to End: A	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30	55	20	45	70
Mod. Wt. (kg)	20.1	21.5	22.86	24.2	25.6	27	28.4	29.8	31.17	32.6	33.9	35.3	36.72	38.1	39.5	40.9	42.3	43.6	45.04	46.4
Comp. Wt. (kg)	9.1																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960	2010	2060	2110	2160	2210	2260	2310	2360
No. of Holes: N	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38	40
Hole to End: A	35	60	25	50	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30
Mod. Wt. (kg)	47.8	49.2	50.58	52	53.4	54.7	56.1	57.5	58.9	60.3	61.7	63.1	64.44	65.8	67.2	68.6	70	71.4	72.76	74.1
Comp. Wt. (kg)	9.1																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TLM235 series

Continuous thrust 234N~819N | Peak thrust 648N~2277N | Temperature rise < 0.05℃/W | Thrust fluctuation < 2%

Product parameter

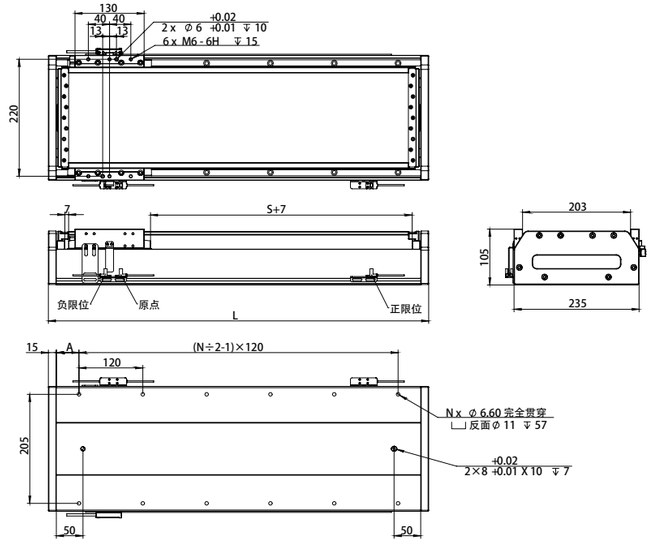
Motor Model	TICA115-1	TICA115-2	TICA115-3	TICA125-1	TICA125-2	TICA125-3
Cont. Thrust (N)	234	468	702	273	546	819
Peak Thrust (N)	648	1296	1944	759	1518	2277
Cont. Current (A)	3.22	3.22	3.22	3.38	3.38	3.38
Max. Current (A)	10.29	10.29	10.29	10.28	10.28	10.28
Max. Speed*1 (m/s)	4					
Max. Accel.*1 (m/s²)	50					
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2					
Max. Load*1 (kg)	300					
Height (mm)	105					
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TLM235-TICA115-1

TLM235-TICA115-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	265	315	365	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215
No. of Holes: N	4	6	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
Hole to End: A	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5
Mod. Wt. (kg)	13.4	15.1	16.84	18.6	20.3	22	23.8	25.5	27.21	28.9	30.7	32.4	34.12	35.8	37.6	39.3	41	42.8	44.49	46.2
Comp. Wt. (kg)	4.63																			

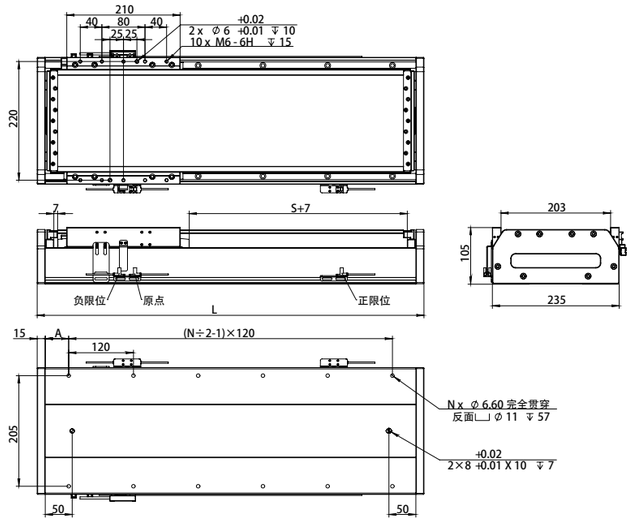
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765	1815	1865	1915	1965	2015	2065	2115	2165	2215
No. of Holes: N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36
Hole to End: A	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5
Mod. Wt. (kg)	47.9	49.7	51.4	53.1	54.9	56.6	58.3	60	61.77	63.5	65.2	67	68.68	70.4	72.1	73.9	75.6	77.3	79.05	80.8
Comp. Wt. (kg)	4.63																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM235-TICA115-2

TLM235-TICA115-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	367	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317
No. of Holes: N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22
Hole to End: A	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5
Mod. Wt. (kg)	19.3	21	22.72	24.4	26.2	27.9	29.6	31.3	33.03	34.8	36.5	38.2	39.9	41.6	43.3	45.1	46.8	48.5	50.21	51.9
Comp. Wt. (kg)	7.22																			

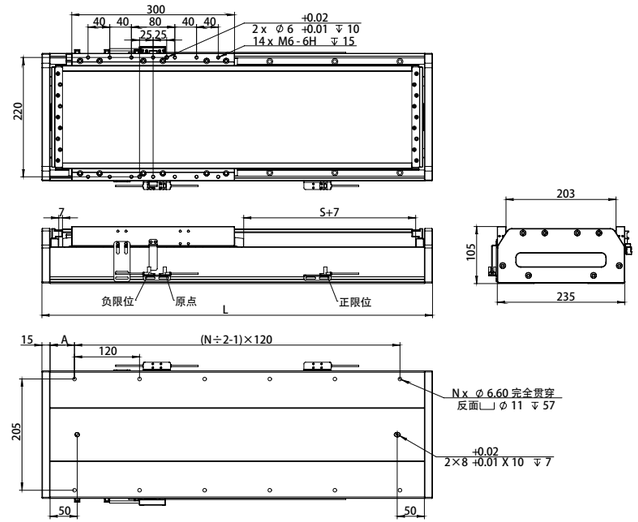
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2257	2317
No. of Holes: N	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38
Hole to End: A	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5
Mod. Wt. (kg)	53.6	55.4	57.08	58.8	60.5	62.2	64	65.7	67.39	69.1	70.8	72.5	74.26	76	77.7	79.4	81.1	82.9	84.57	86.3
Comp. Wt. (kg)	7.22																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM235-TICA115-3

TLM235-TICA115-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	420	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370
No. of Holes: N	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22	22
Hole to End: A	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30	55	20	45	70
Mod. Wt. (kg)	23.9	25.6	27.36	29.1	30.8	32.6	34.3	36.1	37.79	39.5	41.3	43	44.74	46.5	48.2	50	51.7	53.4	55.17	56.9
Comp. Wt. (kg)	10.1																			

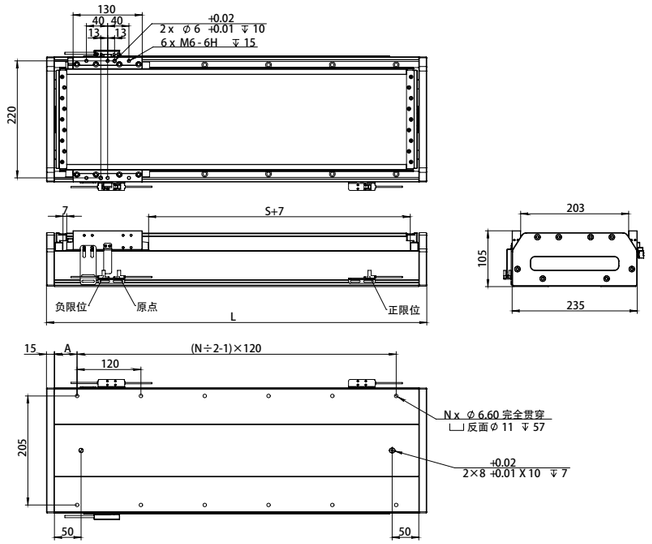
Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120	2170	2220	2270	2320	2370
No. of Holes: N	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38	40
Hole to End: A	35	60	25	50	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30
Mod. Wt. (kg)	58.6	60.4	62.12	63.9	65.6	67.3	69.1	70.8	72.55	74.3	76	77.8	79.50	81.2	83	84.7	86.5	88.2	89.93	91.7
Comp. Wt. (kg)	10.1																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM235-TICA125-1

TLM235-TICA125-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	265	315	365	415	465	515	565	615	665	715	765	815	865	915	965	1015	1065	1115	1165	1215
No. of Holes: N	4	6	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20
Hole to End: A	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5
Mod. Wt. (kg)	14.4	16.1	17.84	18.6	21.3	23	24.8	26.5	28.21	29.9	31.7	33.4	35.12	36.8	38.6	40.3	42	43.8	45.49	47.2
Comp. Wt. (kg)	4.85																			

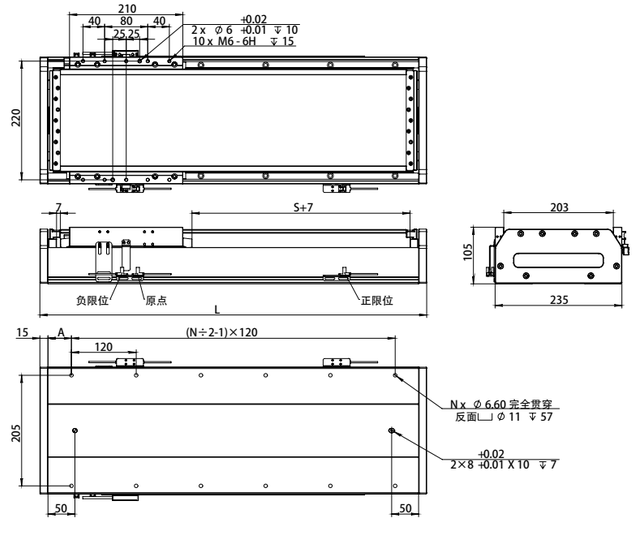
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1265	1315	1365	1415	1465	1515	1565	1615	1665	1715	1765	1815	1865	1915	1965	2015	2065	2115	2165	2215
No. of Holes: N	22	22	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36
Hole to End: A	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	72.5
Mod. Wt. (kg)	48.9	50.7	52.4	54.1	55.9	57.6	59.3	61	62.77	64.5	66.2	68	69.68	71.4	73.1	74.9	76.6	78.3	80.05	81.8
Comp. Wt. (kg)	4.85																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM235-TICA125-2

TLM235-TICA125-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	367	417	467	517	567	617	667	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317
No. of Holes: N	6	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22
Hole to End: A	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5
Mod. Wt. (kg)	21.3	23	24.72	26.4	28.2	30.9	32.6	34.3	36.03	37.8	38.5	40.2	41.9	43.6	45.3	47.1	48.8	50.5	52.21	53.9
Comp. Wt. (kg)	8.22																			

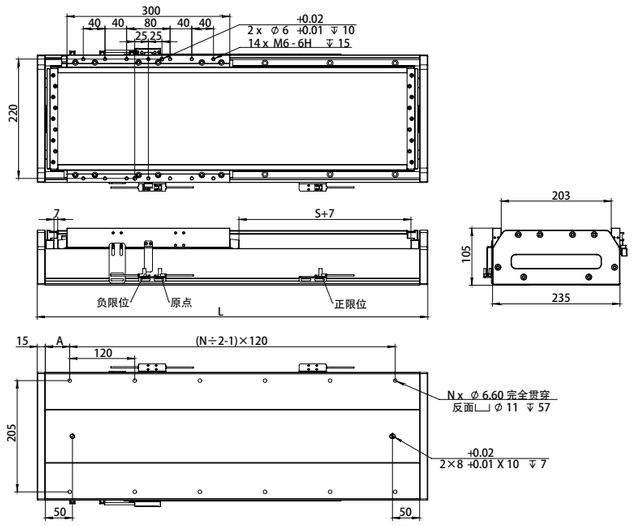
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1367	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317
No. of Holes: N	22	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38
Hole to End: A	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	23.5	48.5	73.5	38.5	63.5
Mod. Wt. (kg)	55.6	57.4	59.08	60.8	62.5	64.2	66	67.7	69.39	71.1	72.8	74.5	76.26	78	79.7	81.4	83.1	84.9	86.57	88.3
Comp. Wt. (kg)	8.22																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TLM235-TICA125-3

TLM235-TICA125-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	420	470	520	570	620	670	720	770	820	870	920	970	1020	1070	1120	1170	1220	1270	1320	1370
No. of Holes: N	6	8	8	10	10	12	12	12	14	14	16	16	16	18	18	20	20	22	22	22
Hole to End: A	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30	55	20	45	70
Mod. Wt. (kg)	25.9	27.6	29.36	31.1	32.8	34.6	36.3	38.1	39.79	41.5	43.3	45	46.74	48.5	50.2	52	53.7	55.4	57.17	58.9
Comp. Wt. (kg)	11.35																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1420	1470	1520	1570	1620	1670	1720	1770	1820	1870	1920	1970	2020	2070	2120	2170	2220	2270	2320	2370
No. of Holes: N	24	24	26	26	26	28	28	30	30	32	32	32	34	34	36	36	36	38	38	40
Hole to End: A	35	60	25	50	75	40	65	30	55	20	45	70	35	60	25	50	75	40	65	30
Mod. Wt. (kg)	60.6	62.4	64.12	65.9	67.6	69.3	71.1	72.8	74.55	76.3	78	79.8	81.50	83.2	85	86.7	88.5	90.2	91.93	93.7
Comp. Wt. (kg)	11.35																			

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02

LINEAR MOTOR FULLY SEALED MODULE

Intro

TOKK linear motor modules, known for their high precision, fast speed, smooth operation, simple structure, high integration, standardized series, and cost efficiency, have been widely applied across various industries. They have also gained high recognition and favor in the industry. From simple handling and conveying to precise measurement and machining, TOKK's linear motor technology is applicable in a wide range of processing techniques and working conditions. Additionally, its customizable flexible configurations, high stability, and excellent cost performance meet diverse customer application needs.

Advantages

1. Molded parts and standardization for lower costs
2. Compact structure
3. Supports multi-axis configurations (Z-axis, cross, cantilever, gantry, etc.), offering versatility and flexibility
4. Supports multiple mover-slider applications
5. Unlimited stroke extension available
6. High precision with optional feedback units, achieving sub-micron accuracy
7. Easy to customize with flexible design options
8. Wide range of applications

Disadvantages

1. Higher costs for traditional drive systems
2. Relative complexity in motion control

Application Industry

3C industry (Computers, Communication, Consumer electronics)
Semiconductor industry
Automotive industry
LCD panel industry
.....
New energy industry
Photovoltaic industry
Laser processing industry

TSLM series linear motor fully sealed module naming rules

TLM 140-1-L200-M0.5 S0 -CA55-1 H -5 -D00

Motor Type	
code	description
TLM	linear motor module
TSLM	fully-sealed linear motor module

Module Width	
code	description
140	140mm
170	170mm
210	210mm
235	235mm
...	...

Number of Slides	
code	description
1	single slider (standard)
2	double slider (custom)
...	...

Stroke	
code	description
L200	200mm
L300	300mm
...	...

Feedback Method	
code	description
M	magnetic scale
G	optical scale

Customization	
code	description
null	standard
D00	standard
D01	module

Cable length	
code	description
1	1m
2	2m
null	5m (standard)
...	...

Sensor Option	
code	description
null	no sensor
H	with Hall sensor

Motor Type	
code	description
CA55-1	TICA55-105
CA55-2	TICA55-193
CA55-3	TICA55-280
UA38-1	TUA 38-61
UA38-2	TUA 38-121
...	...

Limit Switch	
code	description
null	photoelectric switch
S0	built-in encoder

Resolution	
code	description
1	1μm
0.5	0.5μm
...	...

Linear module TSLM140 series

Continuous thrust 48N~144N | Peak thrust 138N~414N | Temperature rise < 0.05℃/W | Thrust fluctuation < 2%

Product parameter

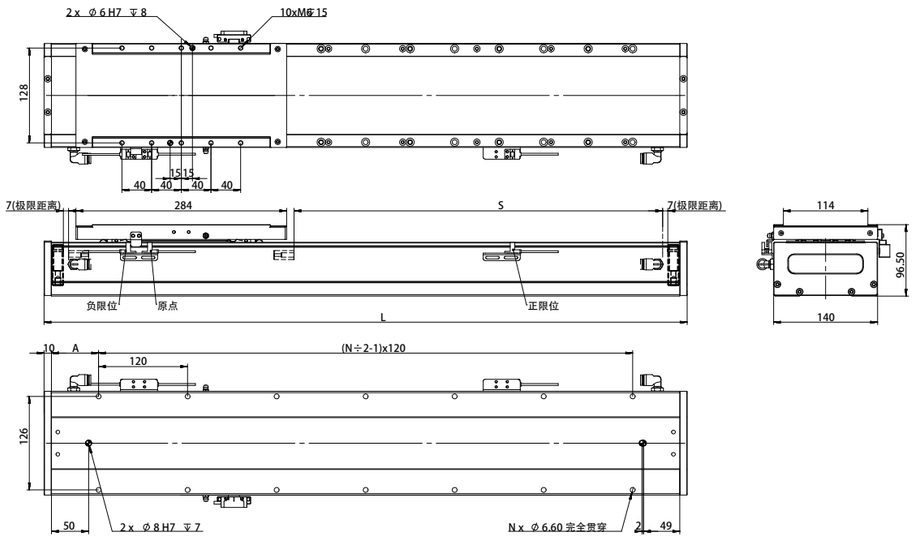
Motor Model	TICA35-1	TICA35-2	TICA35-3
Cont. Thrust (N)	48	96	144
Peak Thrust (N)	138	276	414
Cont. Current (A)	3.39	3.39	3.39
Max. Current (A)	10.34	10.34	10.34
Max. Speed*1 (m/s)	4		
Max. Accel.*1 (m/s^2)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*1 (kg)	30		
Height (mm)	89.5		
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TSLM140-TICA35-1

TSLM140-TICA35-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355
No. of Holes: N	8	8	8	10	10	12	12	12	14	14	16	16	18	18	18	20	20	22	22	22
Hole to End: A	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5
Mod. Wt. (kg)	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8	22.6	23.4	24.2	25
Comp. Wt. (kg)	2.8																			

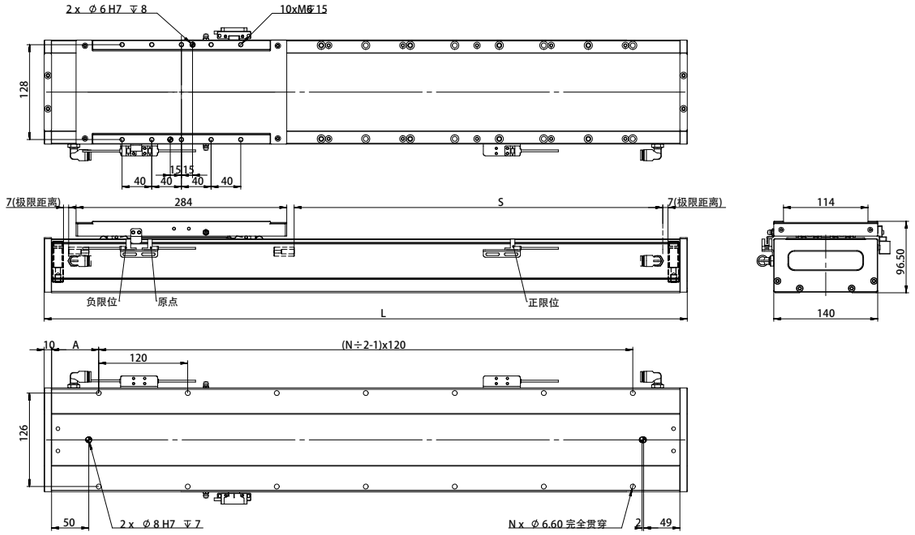
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1905	1955	2005	2055	2105	2155	2205	2255	2305	2355
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	32	34	34	36	36	38	38	38	40
Hole to End: A	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5
Mod. Wt. (kg)	25.8	26.6	27.4	28.2	29	29.8	30.6	31.4	32.2	33	33.8	34.6	35.4	36.2	37	37.8	38.6	39.4	40.2	41
Comp. Wt. (kg)	2.8																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM140-TICA35-2

TSLM140-TICA35-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	417	467	517	567	617	23.5	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367
No. of Holes: N	8	8	8	10	10	12	12	14	14	14	16	16	18	18	18	20	20	22	22	24
Hole to End: A	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5
Mod. Wt. (kg)	10.8	11.6	12.4	13.2	14	14.8	15.6	16.4	17.2	18	18.8	19.6	20.4	21.2	22	22.8	23.6	24.4	25.2	26
Comp. Wt. (kg)	3.0																			

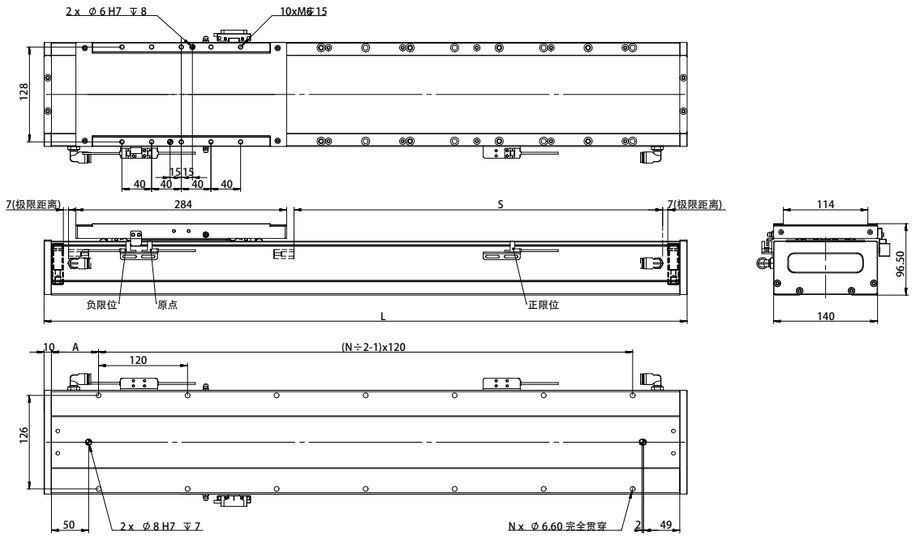
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	34	34	34	36	36	38	38	38	40
Hole to End: A	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5
Mod. Wt. (kg)	26.8	27.6	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
Comp. Wt. (kg)	3.0																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM140-TICA35-3

TSLM140-TICA35-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330
No. of Holes: N	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22
Hole to End: A	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15	40	65	30	55
Mod. Wt. (kg)	9.8	10.6	11.4	12.2	13	13.8	14.6	15.4	16.2	17	17.8	18.6	19.4	20.2	21	21.8	22.6	23.4	24.2	25
Comp. Wt. (kg)	3.5																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080	2130	2180	2230	2280	2330
No. of Holes: N	24	24	26	26	26	28	28	30	30	30	32	32	34	34	36	36	36	38	38	40
Hole to End: A	20	45	10	35	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15
Mod. Wt. (kg)	25.8	26.6	27.4	28.2	29	29.8	30.6	31.4	32.2	33	33.8	34.6	35.4	36.2	37	37.8	38.6	39.4	40.2	41
Comp. Wt. (kg)	3.5																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TSLM170 series

Continuous thrust	91N~273N
Peak thrust	252N~756N
Temperature rise	< 0.05℃/W
Thrust fluctuation	< 2%

Product parameter

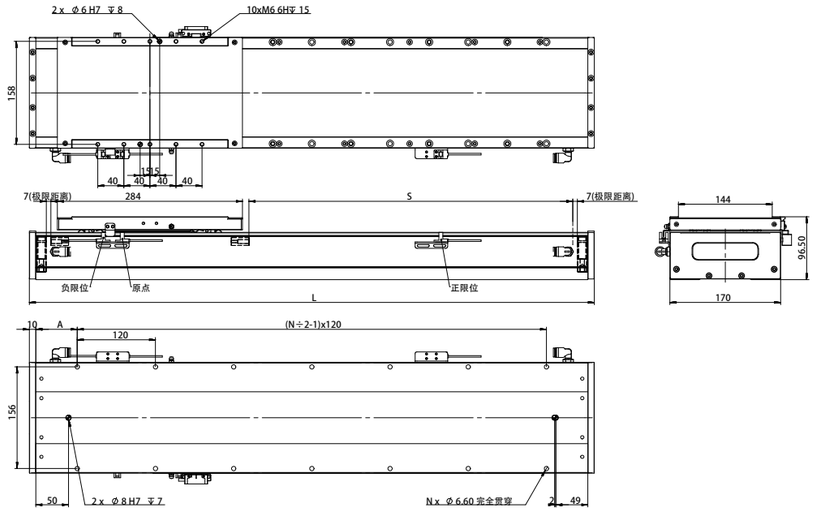
Motor Model	TICA55-1	TICA55-2	TICA55-3
Cont. Thrust (N)	91	182	273
Peak Thrust (N)	252	504	756
Cont. Current (A)	3.38	3.38	3.38
Max. Current (A)	10.31	10.31	10.31
Max. Speed*¹ (m/s)	5		
Max. Accel.*¹ (m/s²)	50		
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2		
Max. Load*¹ (kg)	100		
Height (mm)	96.5		
Stroke*² (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*¹ Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*² For longer strokes, please contact the manufacturer.

TSLM170-TICA55-1

TSLM170-TICA55-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355
No. of Holes: N	8	8	8	10	10	12	12	12	14	14	16	16	18	18	18	20	20	22	22	22
Hole to End: A	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5
Mod. Wt. (kg)	12.2	13.2	14.2	15.2	16.2	17.2	18.2	19.2	20.2	21.2	22.2	23.2	24.2	25.2	26.2	27.2	28.2	29.2	30.2	31.2
Comp. Wt. (kg)	4.1																			

Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1905	1955	2005	2055	2105	2155	2205	2255	2305	2355
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	32	34	34	36	36	38	38	38	40
Hole to End: A	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5
Mod. Wt. (kg)	32.2	33.2	34.2	35.2	36.2	37.2	38.2	39.2	40.2	41.2	42.2	43.2	44.2	45.2	46.2	47.2	48.2	49.2	50.2	51.2
Comp. Wt. (kg)	4.1																			

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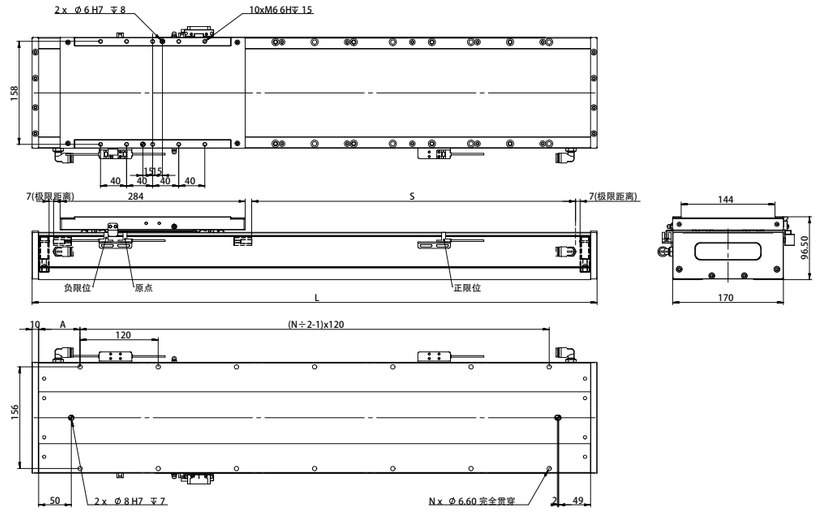
TSLM170-TICA55-2

TSLM170-TICA55-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	417	467	517	567	617	23.5	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367
No. of Holes: N	8	8	8	10	10	12	12	14	14	14	16	16	18	18	18	20	20	22	22	24
Hole to End: A	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5
Mod. Wt. (kg)	13.2	14.2	15.2	16.2	17.2	18.2	19.2	20.2	21.2	22.2	23.2	24.2	25.2	26.2	27.2	28.2	29.2	30.2	31.2	32.2
Comp. Wt. (kg)	4.5																			

Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	34	34	34	36	36	38	38	38	40
Hole to End: A	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5
Mod. Wt. (kg)	33.2	34.2	35.2	36.2	37.2	38.2	39.2	40.2	41.2	42.2	43.2	44.2	45.2	46.2	47.2	48.2	49.2	50.2	51.2	52.2
Comp. Wt. (kg)	4.5																			

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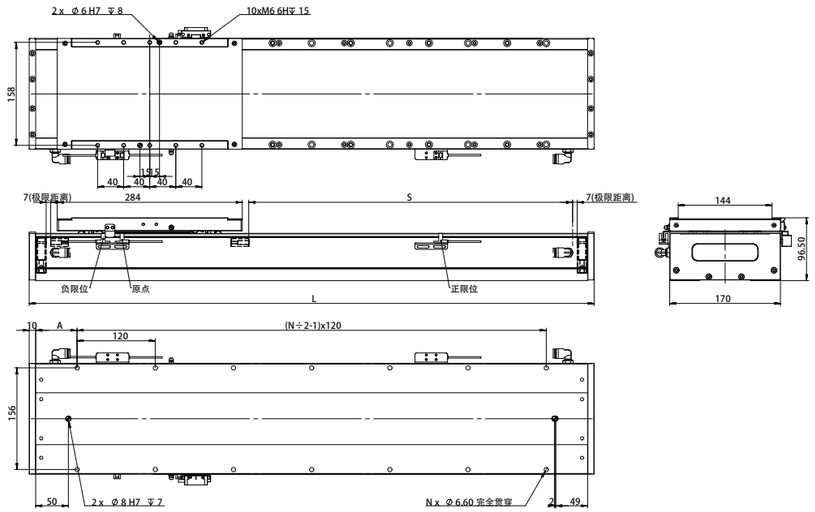
TSLM170-TICA55-3

TSLM170-TICA55-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	210	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	224	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	380	430	480	530	580	580	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330
No. of Holes: N	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22
Hole to End: A	60	25	50	15	40	40	30	55	20	45	10	35	60	25	50	15	40	65	30	55
Mod. Wt. (kg)	13.1	14.1	15.1	16.1	17.1	17.1	19.1	20.1	21.1	22.1	23.1	24.1	25.1	26.1	27.1	28.1	29.1	30.1	31.1	32.1
Comp. Wt. (kg)	4.9																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080	2130	2180	2230	2280	2330
No. of Holes: N	24	24	26	26	26	28	28	30	30	30	32	32	34	34	36	36	36	38	38	40
Hole to End: A	20	45	10	35	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15
Mod. Wt. (kg)	33.1	34.1	35.1	36.1	37.1	38.1	39.1	40.1	41.1	42.1	43.1	44.1	45.1	46.1	47.1	48.1	49.1	50.1	51.1	52.1
Comp. Wt. (kg)	4.9																			

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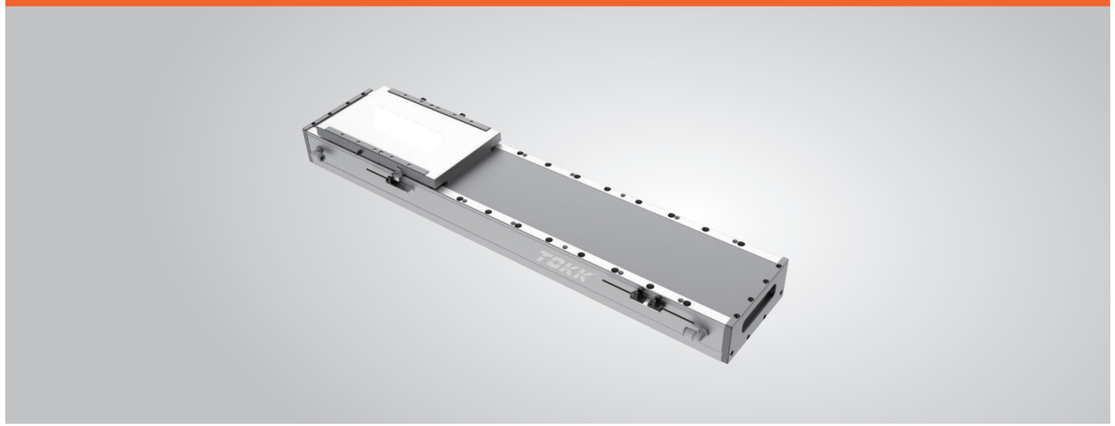
Linear module TSLM170 series



Continuous thrust	26N~130N
Peak thrust	144N~720N
Temperature rise	< 0.07°C/W
Thrust fluctuation	< 2%

Product parameter

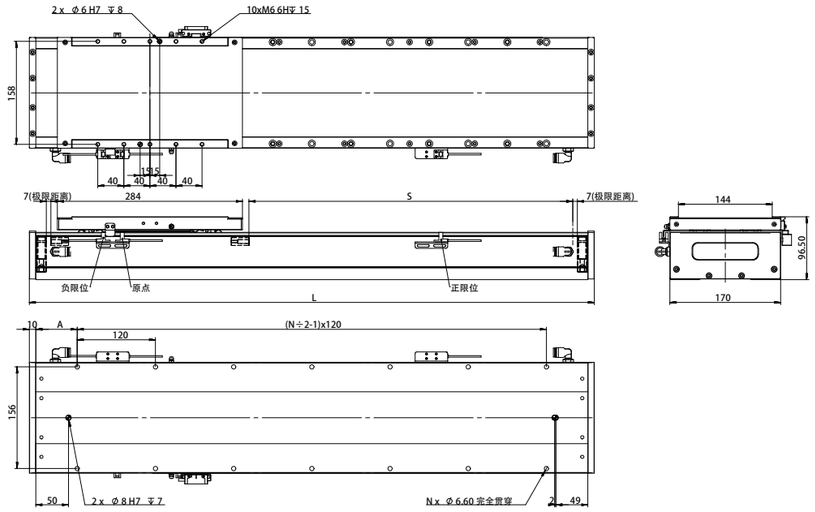
Motor Model	TUA38-1	TUA38-2	TUA38-3	TUA38-4	TUA38-5
Cont. Thrust (N)	26	52	78	104	130
Peak Thrust (N)	144	288	432	576	720
Cont. Current (A)	2.54	2.54	2.54	2.54	2.54
Max. Current (A)	14.3	14.3	14.3	14.3	14.3
Max. Speed*1 (m/s)	4				
Max. Accel.*1 (m/s^2)	40				
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2				
Max. Load*1 (kg)	50				
Height (mm)	96.5				
Stroke*2 (mm)	49~1789(60 pitch)				

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TSLM170-TUA38-1

TSLM170-TUA38-1

Unit：mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	12.8	14.2	16	17.6	19.2	20.8	22.4	24	25.6	27.2	28.8	30.4	32	33.6	35.2	36.8	38.4	40	41.6	43.2
Comp. Wt. (kg)	3.3																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	44.8	46.4	48	49.6	51.2	52.8	54.4	56	57.6	59.2	60.8	62.4	64.0	65.6	67.2	68.8	70.4	72.0	73.6	75.2
Comp. Wt. (kg)	3.3																			

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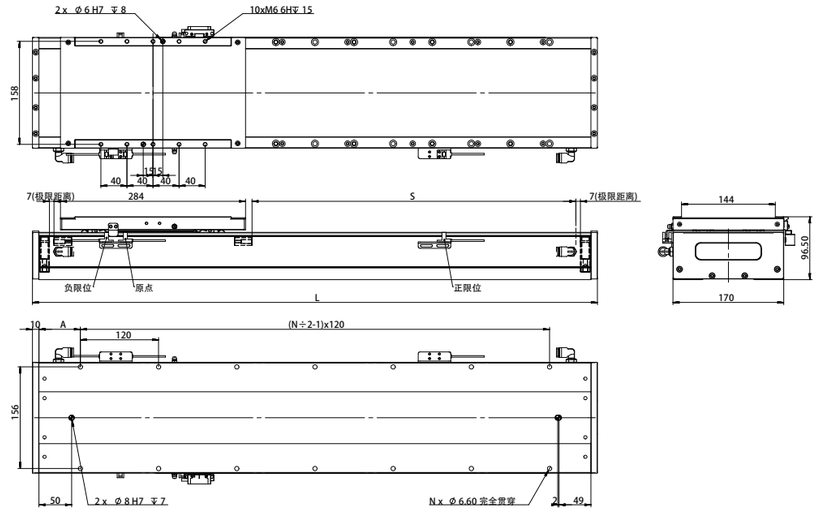
TSLM170-TUA38-2

TSLM170-TUA38-2

Unit：mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	13	14.6	16.2	17.8	19.4	21	22.6	24.2	25.8	27.4	29	30.6	32.2	33.8	35.4	37	38.6	40.2	41.8	43.4
Comp. Wt. (kg)	3.45																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	45	46.6	48.2	49.8	51.4	53	54.6	56.2	57.8	59.4	61	62.6	64.2	65.8	67.4	69	70.6	72.2	73.8	75.4
Comp. Wt. (kg)	3.45																			

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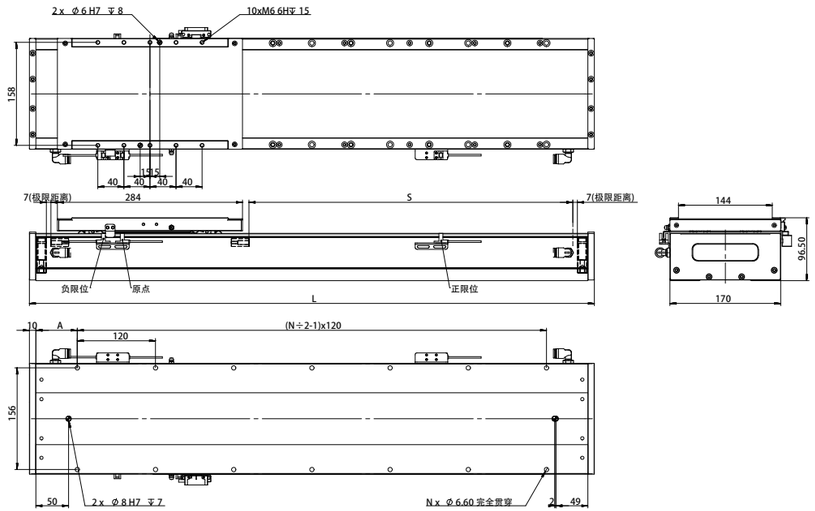
TSLM170-TUA38-3

TSLM170-TUA38-3

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	13.2	14.8	16.4	18	19.6	21.2	22.8	24.4	26	27.6	29.2	30.8	32.4	34	35.6	37.2	38.8	40.4	42	43.6
Comp. Wt. (kg)	3.6																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	45.2	46.8	48.4	50	51.6	53.2	54.8	56.4	58	59.6	61.2	62.8	64.4	66	67.6	69.2	70.8	72.4	74	75.6
Comp. Wt. (kg)	3.6																			

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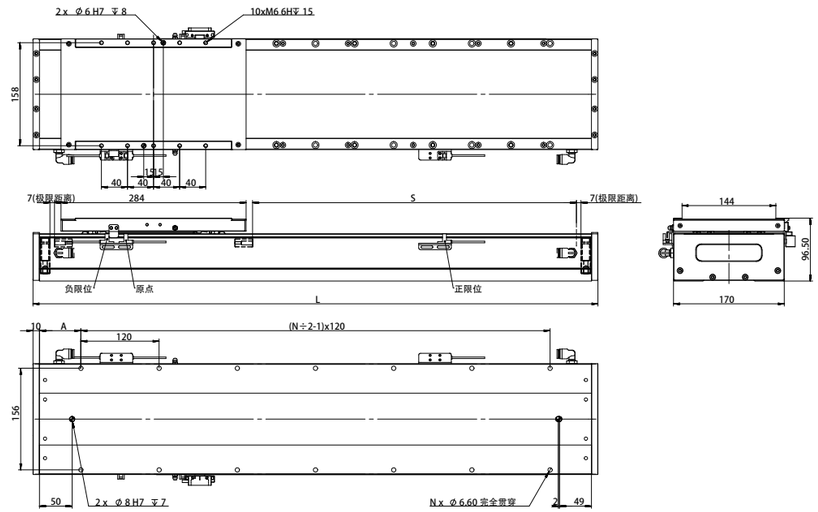
TSLM170-TUA38-4

TSLM170-TUA38-4

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	13.4	15	16.6	18.2	19.8	21.4	23	24.6	26.2	27.8	29.4	31	32.6	34.2	35.8	37.4	39	40.6	42.2	43.8
Comp. Wt. (kg)	3.75																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	45.4	47	48.6	50.2	51.8	53.4	55	56.6	58.2	59.8	61.4	63	64.6	66.2	67.8	69.4	71	72.6	74.2	75.8
Comp. Wt. (kg)	3.75																			

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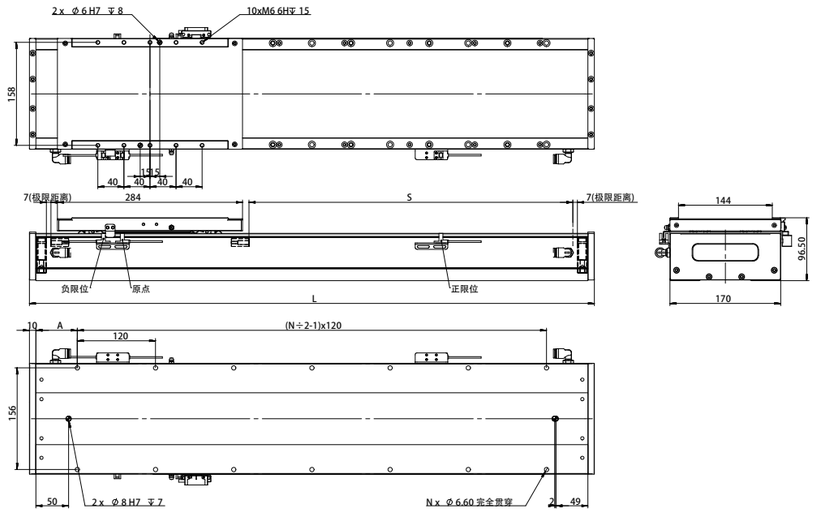
TSLM170-TUA38-5

TSLM170-TUA38-5

Unit:mm

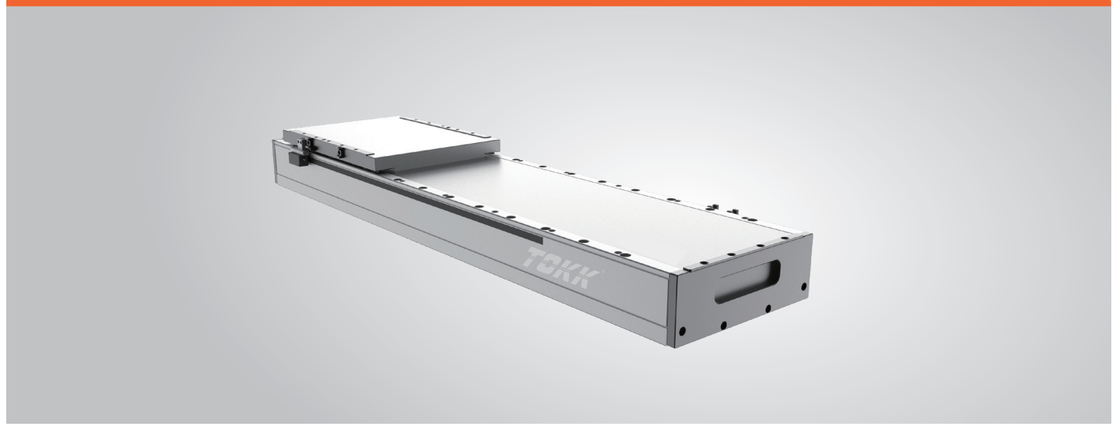


Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	13.6	15.2	16.8	18.4	20	21.6	23.2	24.8	26.4	28	29.6	31.2	32.8	34.4	36	37.6	39.2	40.8	42.4	44
Comp. Wt. (kg)	3.9																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	45.6	47.2	48.8	50.4	52	53.6	55.2	56.8	58.4	60	61.6	63.2	64.8	66.4	68	69.6	71.2	72.8	74.4	76
Comp. Wt. (kg)	3.9																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TSLM210 series



Continuous thrust	138N~567N
Peak thrust	371N~1566N
Temperature rise	< 0.05℃/W
Thrust fluctuation	< 2%

Product parameter

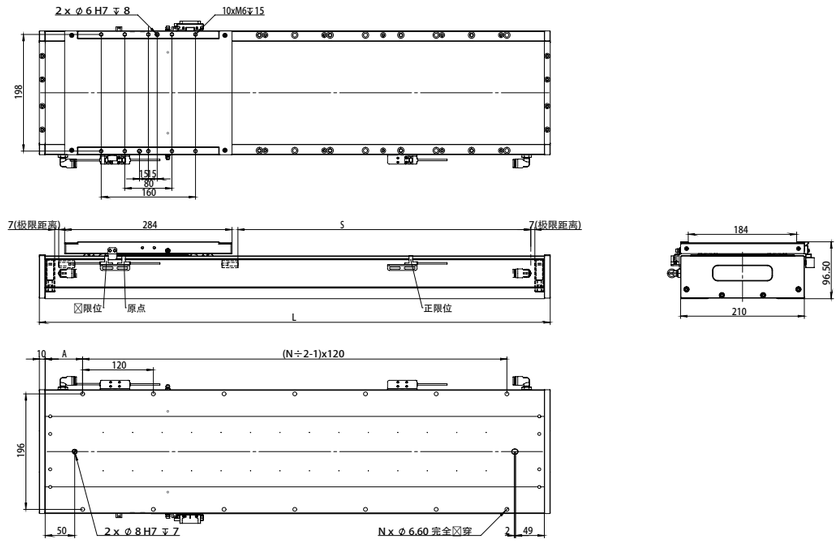
Motor Model	TICA75-1	TICA75-2	TICA75-3	TICA95-1	TICA95-2	TICA95-3
Cont. Thrust (N)	138	276	414	189	378	567
Peak Thrust (N)	371	742	1113	522	1044	1566
Cont. Current (A)	3.23	3.23	3.23	3.28	3.28	3.28
Max. Current (A)	10.31	10.31	10.31	10.3	10.3	10.3
Max. Speed*¹ (m/s)	5					
Max. Accel.*¹ (m/s^2)	50					
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2					
Max. Load*¹ (kg)	200					
Height (mm)	96.5					
Stroke*² (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*¹ Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*² For longer strokes, please contact the manufacturer.

TSLM210-TICA75-1

TSLM210-TICA75-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	585	635	685	735	785	835	885	935	985	1035
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	599	649	699	749	799	849	899	949	999	1049
Total Length: L	405	455	505	555	605	655	705	755	805	855	955	1005	1055	1105	1155	1205	1255	1305	1355	1405
No. of Holes: N	8	8	8	10	10	12	12	12	14	14	16	18	18	18	20	20	22	22	22	24
Hole to End: A	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5
Mod. Wt. (kg)	14.7	15.9	17.1	18.3	19.5	20.7	21.9	23.1	24.3	25.5	27.9	29.1	30.3	31.5	32.7	33.9	35.1	36.3	37.5	38.9
Comp. Wt. (kg)	5.1																			

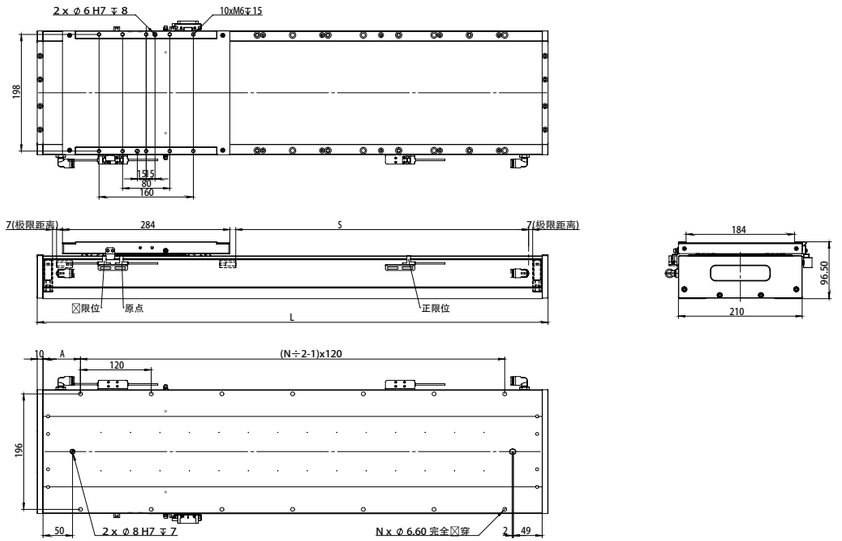
Eff. Stroke: S	1085	1135	1185	1235	1285	1335	1385	1435	1485	1085	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1099	1149	1199	1249	1299	1349	1399	1449	1499	1099	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1455	1505	1555	1605	1655	1705	1755	1805	1855	1455	1905	1955	2005	2055	2105	2155	2205	2255	2305	2355
No. of Holes: N	24	26	26	28	28	28	30	30	32	24	32	32	34	34	36	36	38	38	38	40
Hole to End: A	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	57.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5
Mod. Wt. (kg)	40.1	41.3	42.5	43.7	44.9	46.1	47.3	48.5	49.7	40.1	50.9	52.1	53.3	54.5	55.7	56.9	57.1	58.3	59.5	61.1
Comp. Wt. (kg)	5.1																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM210-TICA75-2

TSLM210-TICA75-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	417	467	517	567	617	23.5	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367
No. of Holes: N	8	8	8	10	10	12	12	14	14	14	16	16	18	18	18	20	20	22	22	24
Hole to End: A	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5
Mod. Wt. (kg)	16.9	18.1	19.3	20.5	21.7	22.9	24.1	25.3	26.5	27.68	28.9	30.1	31.3	32.5	33.7	34.9	36.1	37.3	38.5	39.7
Comp. Wt. (kg)	6																			

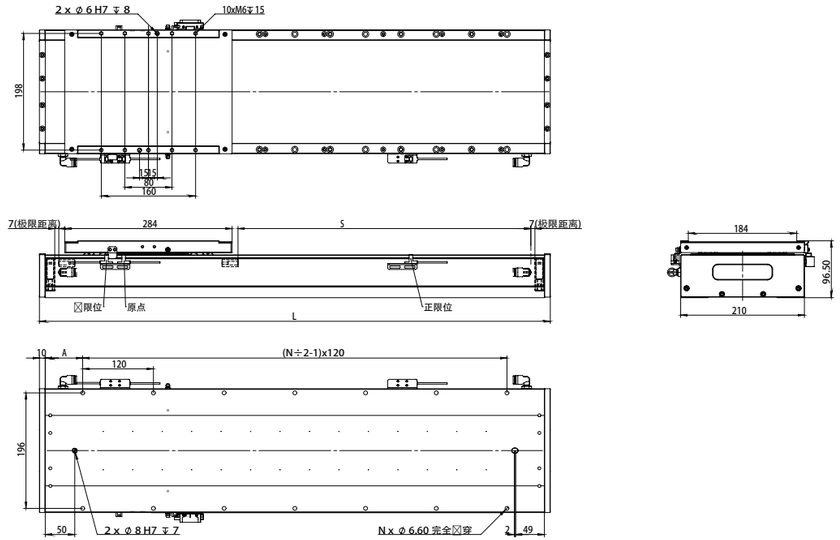
Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	34	34	34	36	36	38	38	38	40
Hole to End: A	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5
Mod. Wt. (kg)	40.9	42.1	43.3	44.5	45.7	46.9	48.1	49.3	50.5	51.7	52.9	54.1	55.3	56.5	57.7	58.9	60.1	61.1	62.3	63.5
Comp. Wt. (kg)	6																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM210-TICA75-3

TSLM210-TICA75-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330
No. of Holes: N	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22
Hole to End: A	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15	40	65	30	55
Mod. Wt. (kg)	17.4	18.6	19.8	21	22.2	23.4	24.6	25.8	27	28.2	29.4	30.6	31.8	33	34.2	35.4	36.6	37.8	39	40.2
Comp. Wt. (kg)	6.4																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080	2130	2180	2230	2280	2330
No. of Holes: N	24	24	26	26	26	28	28	30	30	30	32	32	34	34	36	36	36	38	38	40
Hole to End: A	20	45	10	35	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15
Mod. Wt. (kg)	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
Comp. Wt. (kg)	6.4																			

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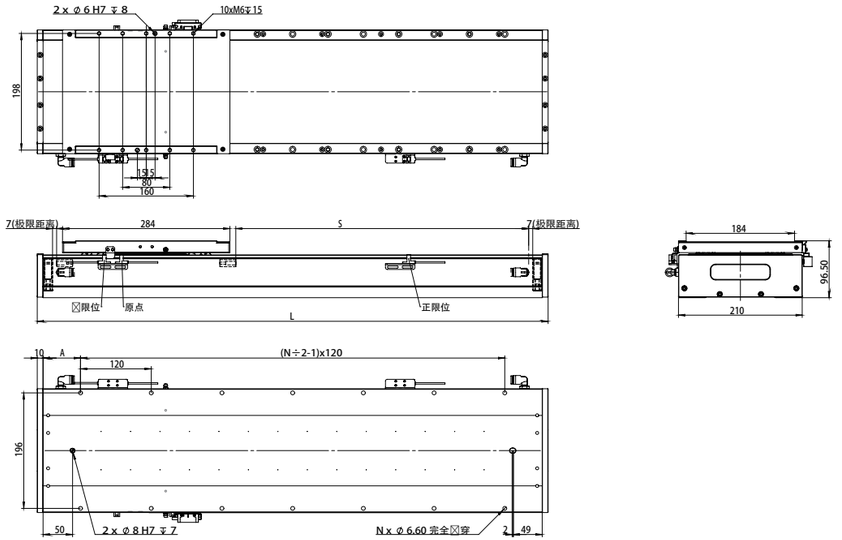
TSLM210-TICA95-1

TSLM210-TICA95-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	585	635	685	735	785	835	885	935	985	1035
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	599	649	699	749	799	849	899	949	999	1049
Total Length: L	405	455	505	555	605	655	705	755	805	855	955	1005	1055	1105	1155	1205	1255	1305	1355	1405
No. of Holes: N	8	8	8	10	10	12	12	12	14	14	16	18	18	18	20	20	22	22	22	24
Hole to End: A	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5
Mod. Wt. (kg)	14.7	15.9	17.1	18.3	19.5	20.7	21.9	23.1	24.3	25.5	27.9	29.1	30.3	31.5	32.7	33.9	35.1	36.3	37.5	38.9
Comp. Wt. (kg)	5.5																			

Eff. Stroke: S	1085	1135	1185	1235	1285	1335	1385	1435	1485	1085	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1099	1149	1199	1249	1299	1349	1399	1449	1499	1099	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1455	1505	1555	1605	1655	1705	1755	1805	1855	1455	1905	1955	2005	2055	2105	2155	2205	2255	2305	2355
No. of Holes: N	24	26	26	28	28	28	30	30	32	24	32	32	34	34	36	36	38	38	38	40
Hole to End: A	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	57.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5
Mod. Wt. (kg)	40.1	41.3	42.5	43.7	44.9	46.1	47.3	48.5	49.7	40.1	50.9	52.1	53.3	54.5	55.7	56.9	57.1	58.3	59.5	61.1
Comp. Wt. (kg)	5.5																			

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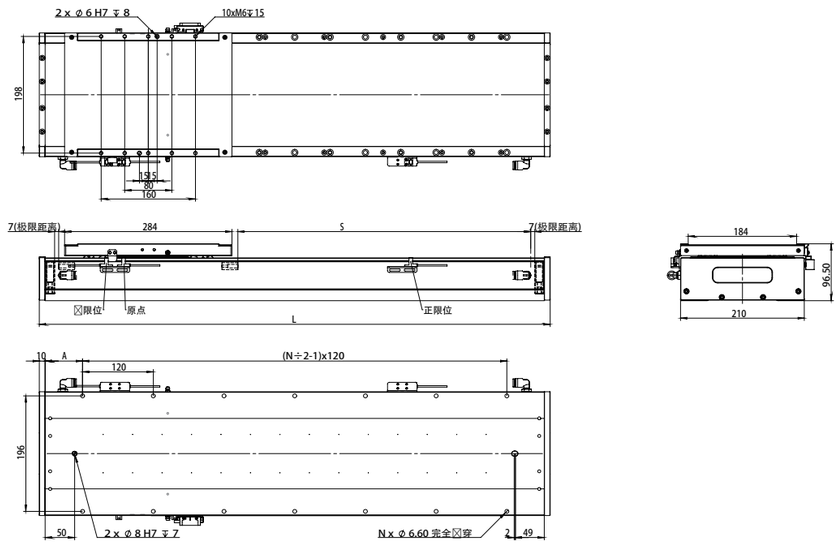
TSLM210-TICA95-2

TSLM210-TICA95-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	417	467	517	567	617	23.5	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367
No. of Holes: N	8	8	8	10	10	12	12	14	14	14	16	16	18	18	18	20	20	22	22	24
Hole to End: A	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5
Mod. Wt. (kg)	16.9	18.1	19.3	20.5	21.7	22.9	24.1	25.3	26.5	27.68	28.9	30.1	31.3	32.5	33.7	34.9	36.1	37.3	38.5	39.7
Comp. Wt. (kg)	6.7																			

Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	34	34	34	36	36	38	38	38	40
Hole to End: A	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5
Mod. Wt. (kg)	40.9	42.1	43.3	44.5	45.7	46.9	48.1	49.3	50.5	51.7	52.9	54.1	55.3	56.5	57.7	58.9	60.1	61.1	62.3	63.5
Comp. Wt. (kg)	6.7																			

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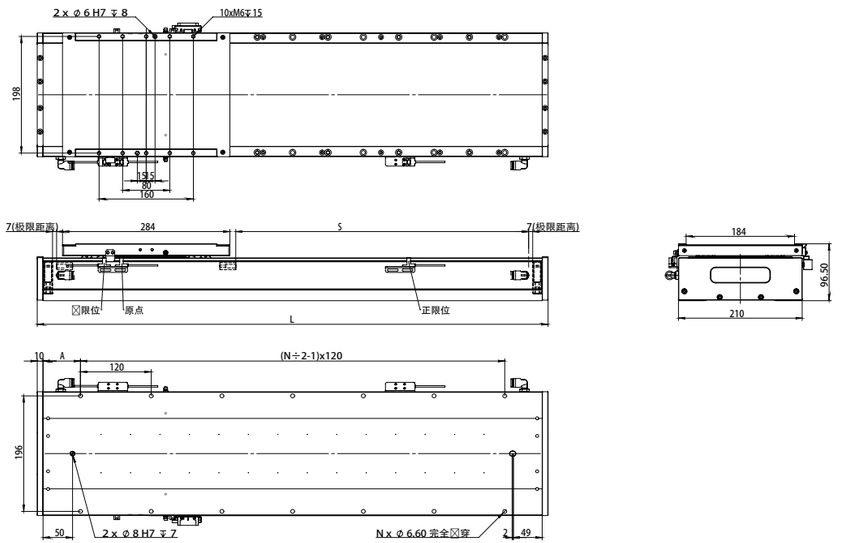
TSLM210-TICA95-3

TSLM210-TICA95-3

Unit:mm

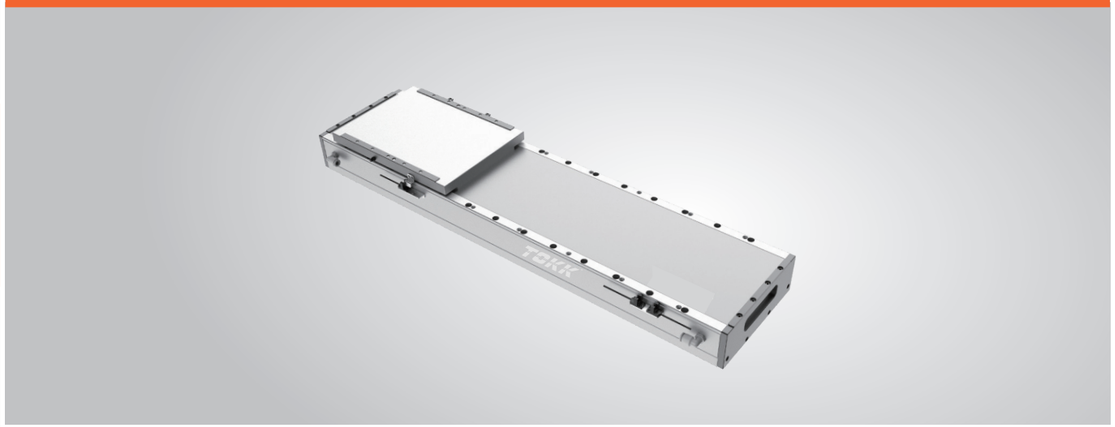


Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330
No. of Holes: N	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22
Hole to End: A	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15	40	65	30	55
Mod. Wt. (kg)	17.4	18.6	19.8	21	22.2	23.4	24.6	25.8	27	28.2	29.4	30.6	31.8	33	34.2	35.4	36.6	37.8	39	40.2
Comp. Wt. (kg)	7.5																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080	2130	2180	2230	2280	2330
No. of Holes: N	24	24	26	26	26	28	28	30	30	30	32	32	34	34	36	36	36	38	38	40
Hole to End: A	20	45	10	35	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15
Mod. Wt. (kg)	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
Comp. Wt. (kg)	7.5																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

Linear module TSLM210 series



Continuous thrust 51N~255N

Peak thrust 288N~1440N

Temperature rise < 0.07℃/W

Thrust fluctuation < 2%

Product parameter

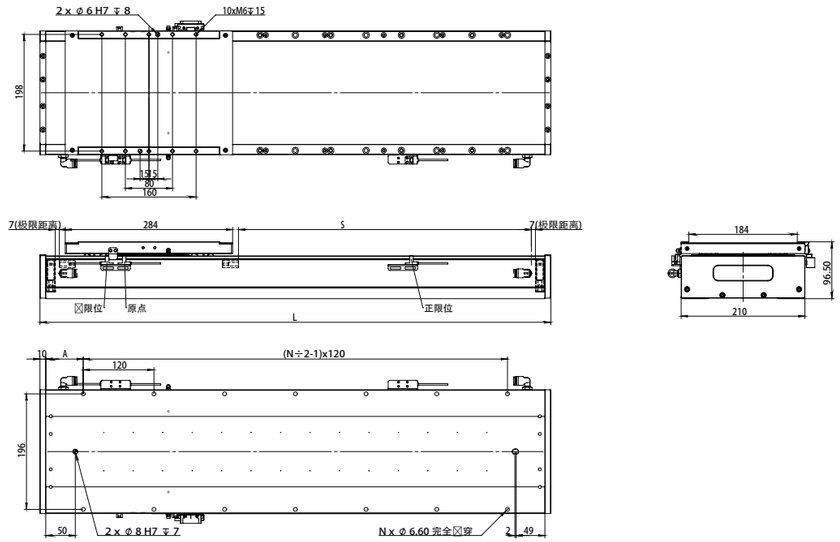
Motor Model	TUB38-1	TUB38-2	TUB38-3	TUB38-4	TUB38-5
Cont. Thrust (N)	51	102	153	204	255
Peak Thrust (N)	288	576	864	1152	1440
Cont. Current (A)	2.54	2.54	2.54	2.54	2.54
Max. Current (A)	14.3	14.3	14.3	14.3	14.3
Max. Speed*1 (m/s)	4				
Max. Accel.*1 (m/s²)	50				
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2				
Max. Load*1 (kg)	80				
Height (mm)	96.5				
Stroke*2 (mm)	49~1789(60 pitch)				

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TSLM210-TUB38-1

TSLM210-TUB38-1

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	14	16.2	18.4	20.6	22.8	25	27.2	29.4	31.6	33.8	36	38.2	40.4	42.6	44.8	47	49.2	51.4	53.6	55.8
Comp. Wt. (kg)	4.2																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	58	60.2	62.4	64.6	66.8	69	71.2	73.4	75.6	77.8	80	82.2	84.4	86.6	88.8	91	93.2	95.4	97.6	99.8
Comp. Wt. (kg)	4.2																			

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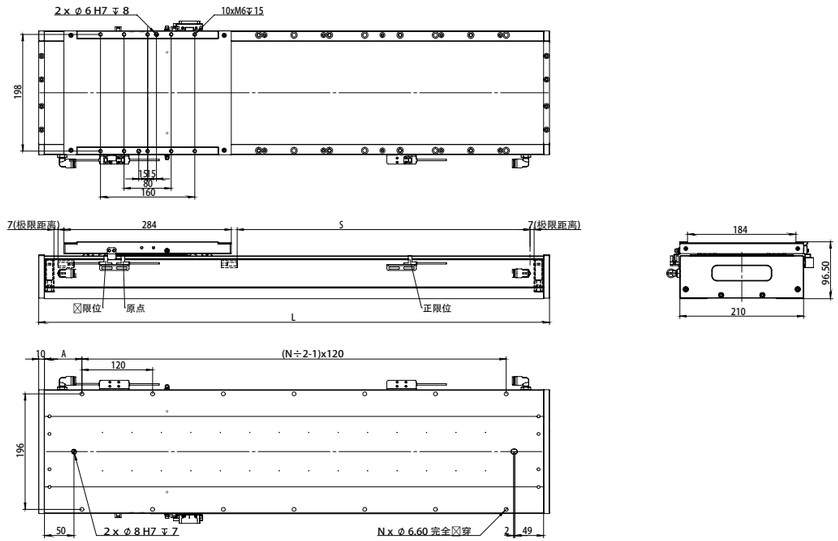
TSLM210-TUB38-2

TSLM210-TUB38-2

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	14.2	16.4	18.6	20.8	23	25.2	27.4	29.6	31.8	34	36.2	38.4	40.6	42.8	45	47.2	49.4	51.6	53.8	56
Comp. Wt. (kg)	4.4																			

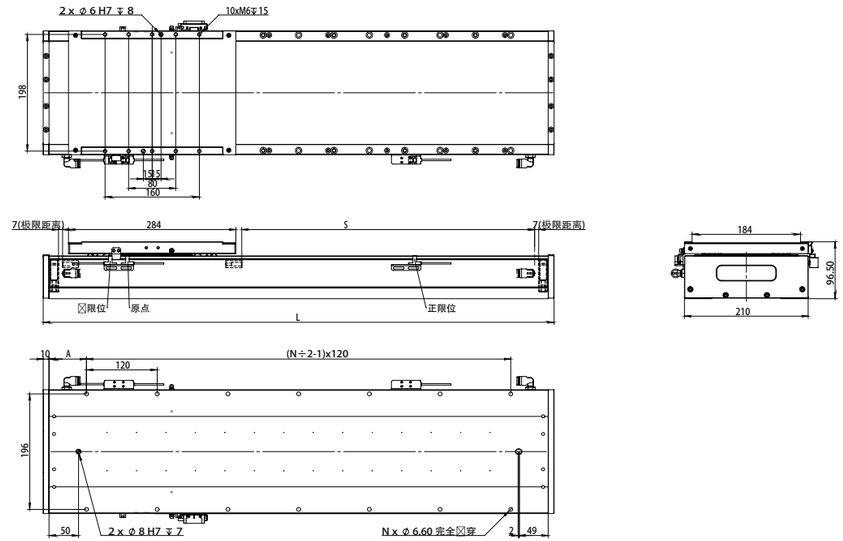
Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	58.2	60.4	62.6	64.8	67	69.2	71.4	73.6	75.8	78	80.2	82.4	84.6	86.8	89	91.2	93.4	95.6	97.8	100
Comp. Wt. (kg)	4.4																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM210-TUB38-3

TSLM210-TUB38-3

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	14.4	16.6	18.8	21	23.2	25.4	27.6	29.8	32	34.2	36.4	38.6	40.8	43	45.2	47.4	49.6	51.8	54	56.2
Comp. Wt. (kg)	4.6																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	58.4	60.6	62.8	65	67.2	69.4	71.6	73.8	76	78.2	80.4	82.6	84.8	87	89.2	91.4	93.6	95.8	98	100.2
Comp. Wt. (kg)	4.6																			

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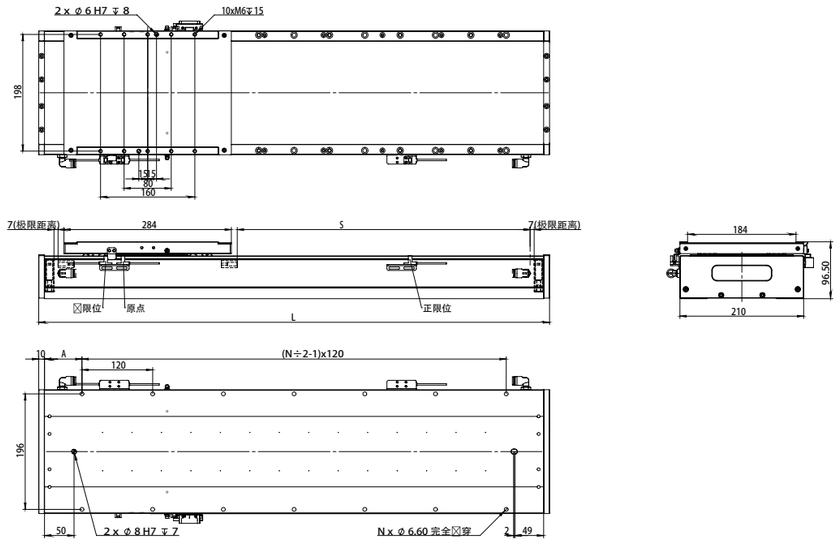
TSLM210-TUB38-4

TSLM210-TUB38-4

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	14.6	16.8	19	21.2	23.4	25.6	27.8	30	32.2	34.4	36.6	38.8	41	43.2	45.4	47.6	49.8	52	54.2	56.8
Comp. Wt. (kg)	4.8																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	58.6	60.8	63	65.2	67.4	69.6	71.8	74	76.2	78.4	80.6	82.8	85.0	87.2	89.4	91.6	93.8	96	98.2	100.4
Comp. Wt. (kg)	4.8																			

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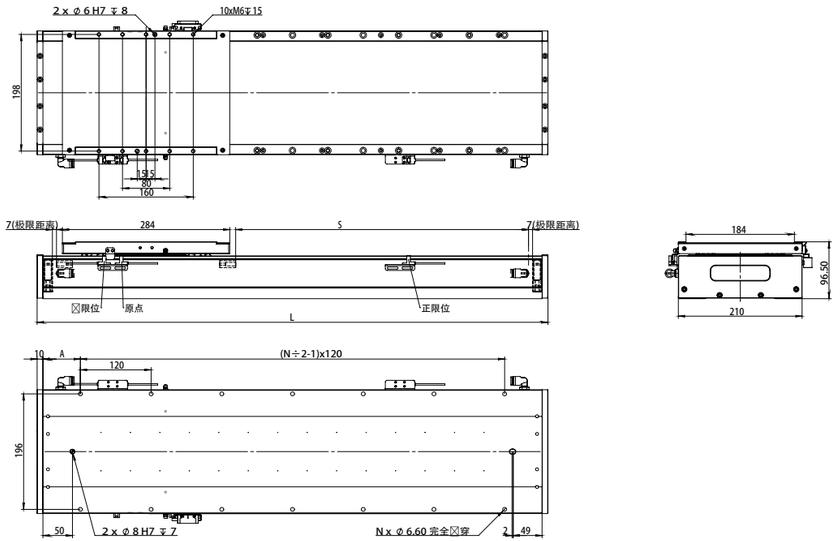
TSLM210-TUB38-5

TSLM210-TUB38-5

Unit:mm



Eff. Stroke: S	49	109	169	229	289	349	409	469	529	589	649	709	769	829	889	949	1009	1069	1129	1189
Mech. Stroke: S + All.	63	123	183	243	303	363	423	483	543	603	663	723	783	843	903	963	1023	1083	1143	1203
Total Length: L	419	479	539	599	659	719	779	839	899	959	1019	1079	1139	1199	1259	1319	1379	1439	1499	1559
No. of Holes: N	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26	26
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	14.6	17	19.2	21.4	23.6	25.8	28	30.2	32.4	34.6	36.8	39	41.2	43.4	45.6	47.8	50	52.2	54.4	57
Comp. Wt. (kg)	5																			

Eff. Stroke: S	1249	1309	1369	1429	1489	1549	1609	1669	1729	1789	1849	1909	1969	2029	2089	2149	2209	2269	2329	2389
Mech. Stroke: S + All.	1263	1323	1383	1443	1503	1563	1623	1683	1743	1803	1863	1923	1983	2043	2103	2163	2223	2283	2343	2403
Total Length: L	1619	1679	1739	1799	1859	1919	1979	2039	2099	2159	2219	2279	2339	2399	2459	2519	2579	2639	2699	2759
No. of Holes: N	28	28	30	30	32	32	34	34	36	36	38	38	40	40	42	42	44	44	46	46
Hole to End: A	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5	19.5	49.5
Mod. Wt. (kg)	58.8	61	63.2	65.4	67.6	69.8	72	74.2	76.4	78.6	80.8	83.0	85.2	87.4	89.6	91.8	94.0	96.2	98.4	100.6
Comp. Wt. (kg)	5																			

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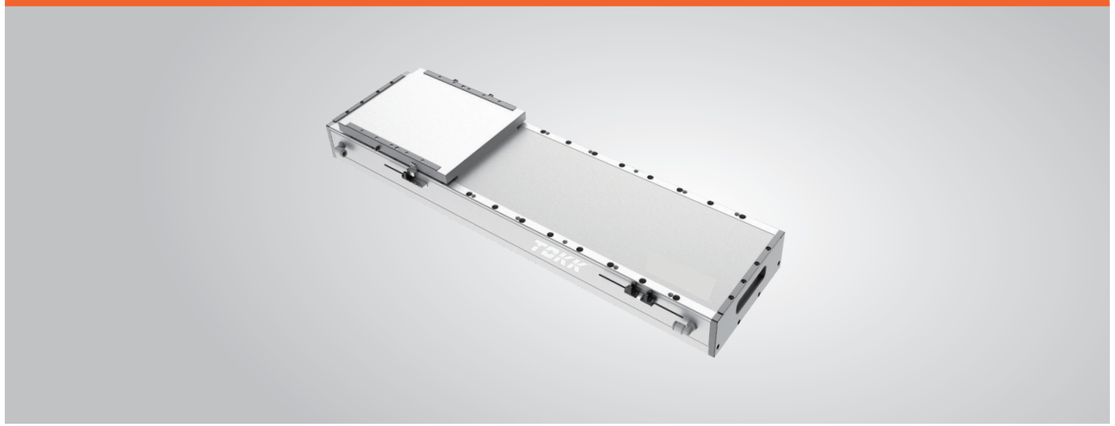
Linear module TSLM230 series



Continuous thrust	234N~819N
Peak thrust	648N~2277N
Temperature rise	< 0.05℃/W
Thrust fluctuation	< 2%

Product parameter

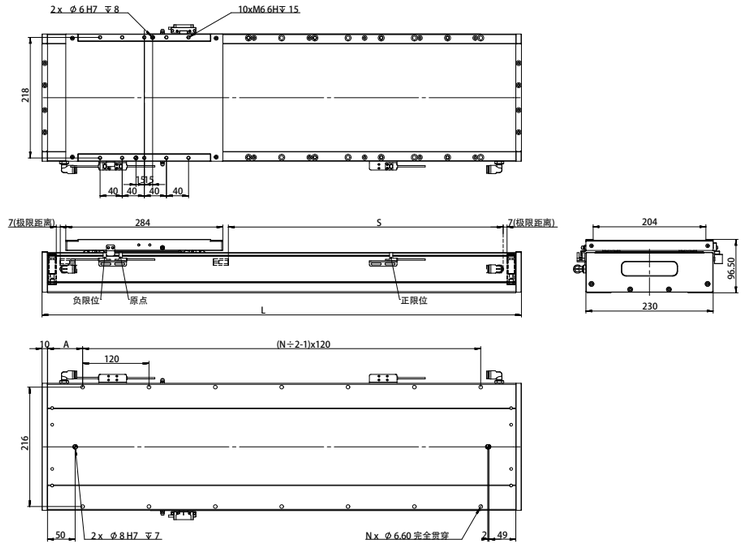
Motor Model	TICA115-1	TICA115-2	TICA115-3	TICA125-1	TICA125-2	TICA125-3
Cont. Thrust (N)	234	468	702	273	546	819
Peak Thrust (N)	648	1296	1944	759	1518	2277
Cont. Current (A)	3.22	3.22	3.22	3.38	3.38	3.38
Max. Current (A)	10.29	10.29	10.29	10.28	10.28	10.28
Max. Speed*1 (m/s)	4					
Max. Accel.*1 (m/s^2)	50					
Repeatability (μm)	Magnetic Scale：±3；Optical Scale：±2					
Max. Load*1 (kg)	300					
Height (mm)	96.5					
Stroke*2 (mm)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)	35~1985(50 pitch)	47~1997(50 pitch)	10~1960(50 pitch)

*1 Maximum acceleration, maximum speed, and maximum load are reference values. Actual values should be comprehensively evaluated based on the motion plan. If the actual parameters exceed the reference values, please contact the manufacturer for assessment.
*2 For longer strokes, please contact the manufacturer.

TSLM230-TICA115-1

TSLM230-TICA115-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355
No. of Holes: N	8	8	8	10	10	12	12	12	14	14	16	16	18	18	18	20	20	22	22	22
Hole to End: A	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5
Mod. Wt. (kg)	19.1	20.4	21.7	23	23.3	24.6	25.9	27.2	28.5	29.8	31.2	32.4	33.7	35	36.3	37.6	38.9	40.2	41.5	42.8
Comp. Wt. (kg)	6.1																			

Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1535	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1549	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1905	1955	2005	2055	2105	2155	2205	2255	2305	2355
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	32	34	34	36	36	38	38	38	40
Hole to End: A	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5
Mod. Wt. (kg)	44.1	45.4	46.7	48	49.3	50.6	51.9	53.2	54.5	55.8	57.1	58.4	59.7	61	62.3	63.6	64.9	65.2	66.5	67.8
Comp. Wt. (kg)	6.1																			

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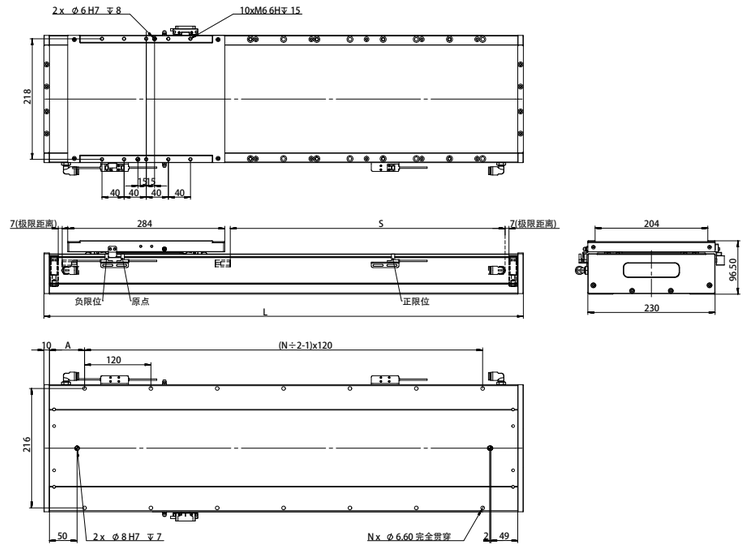
TSLM230-TICA115-2

TSLM230-TICA115-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	417	467	517	567	617	23.5	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367
No. of Holes: N	8	8	8	10	10	12	12	14	14	14	16	16	18	18	18	20	20	22	22	24
Hole to End: A	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5
Mod. Wt. (kg)	19.4	20.8	22.2	23.6	25	26.4	27.8	29.2	30.6	32	33.4	34.8	36.2	37.6	39	40.4	41.8	43.2	44.6	46
Comp. Wt. (kg)	7.7																			

Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	34	34	34	36	36	38	38	38	40
Hole to End: A	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5
Mod. Wt. (kg)	47.4	48.8	50.2	51.6	53	54.4	55.8	57.2	58.6	60	61.4	62.8	64.2	65.6	67	68.4	69.8	71.2	72.6	74
Comp. Wt. (kg)	7.7																			

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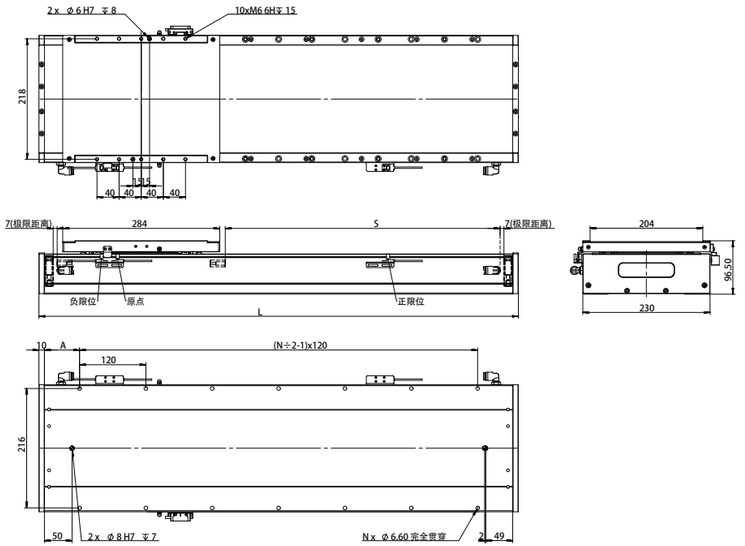
TSLM230-TICA115-3

TSLM230-TICA115-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330
No. of Holes: N	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22
Hole to End: A	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15	40	65	30	55
Mod. Wt. (kg)	20.7	22.1	23.5	24.9	26.3	27.7	29.1	30.5	31.9	33.3	34.7	36.1	37.5	38.9	40.3	41.7	43.1	44.5	45.9	47.3
Comp. Wt. (kg)	8.9																			

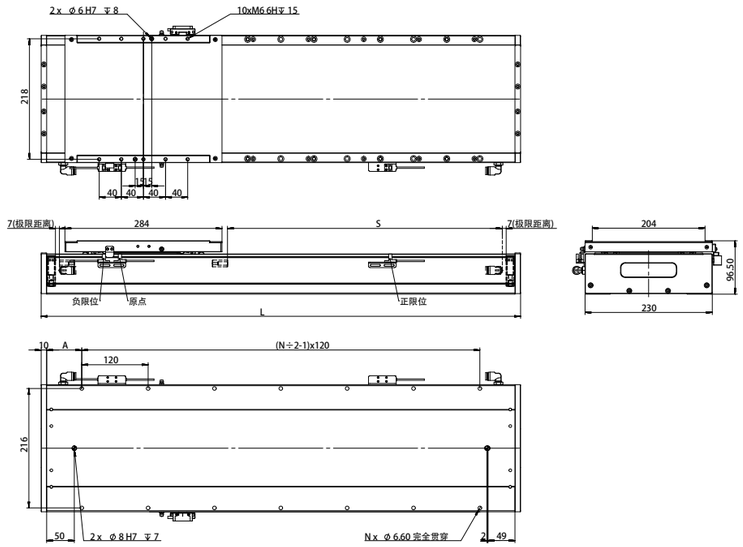
Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080	2130	2180	2230	2280	2330
No. of Holes: N	24	24	26	26	26	28	28	30	30	30	32	32	34	34	36	36	36	38	38	40
Hole to End: A	20	45	10	35	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15
Mod. Wt. (kg)	48.7	50.1	51.5	52.9	54.3	55.7	57.1	58.5	59.9	61.3	62.7	64.1	65.5	66.9	68.3	69.7	71.1	72.5	73.9	75.3
Comp. Wt. (kg)	8.9																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM230-TICA125-1

TSLM230-TICA125-1

Unit:mm



Eff. Stroke: S	35	85	135	185	235	285	335	385	435	485	535	585	635	685	735	785	835	885	935	985
Mech. Stroke: S + All.	49	99	149	199	249	299	349	399	449	499	549	599	649	699	749	799	849	899	949	999
Total Length: L	405	455	505	555	605	655	705	755	805	855	905	955	1005	1055	1105	1155	1205	1255	1305	1355
No. of Holes: N	8	8	8	10	10	12	12	12	14	14	16	16	18	18	18	20	20	22	22	22
Hole to End: A	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	42.5	67.5
Mod. Wt. (kg)	19.1	20.4	21.7	23	23.3	24.6	25.9	27.2	28.5	29.8	31.2	32.4	33.7	35	36.3	37.6	38.9	40.2	41.5	42.8
Comp. Wt. (kg)	6.3																			

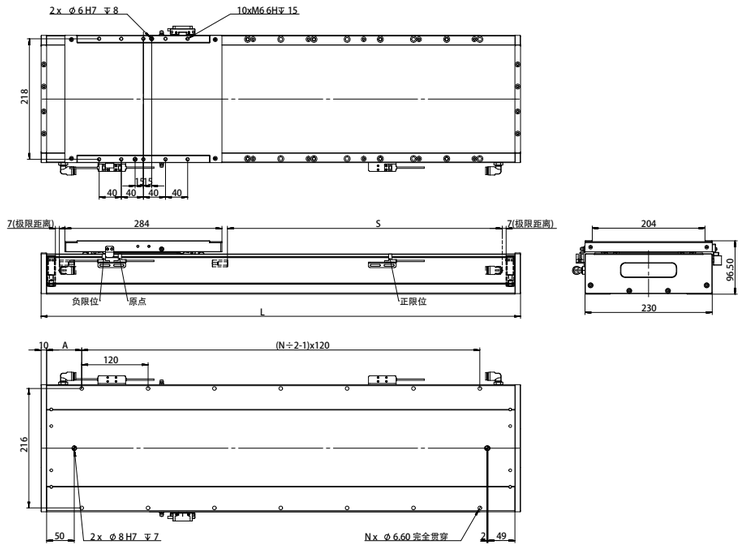
Eff. Stroke: S	1035	1085	1135	1185	1235	1285	1335	1385	1435	1485	1485	1585	1635	1685	1735	1785	1835	1885	1935	1985
Mech. Stroke: S + All.	1049	1099	1149	1199	1249	1299	1349	1399	1449	1499	1499	1599	1649	1699	1749	1799	1849	1899	1949	1999
Total Length: L	1405	1455	1505	1555	1605	1655	1705	1755	1805	1855	1855	1955	2005	2055	2105	2155	2205	2255	2305	2355
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	32	34	34	36	36	38	38	38	40
Hole to End: A	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5	52.5	17.5	17.5	67.5	32.5	57.5	22.5	47.5	12.5	37.5	62.5	27.5
Mod. Wt. (kg)	44.1	45.4	46.7	48	49.3	50.6	51.9	53.2	54.5	55.8	55.8	58.4	59.7	61	62.3	63.6	64.9	65.2	66.5	67.8
Comp. Wt. (kg)	6.3																			

This diagram is for reference only. Actual dimensions are based on the provided 2D/3D drawings. Product style, appearance, and specifications are subject to change without prior notice.

TSLM230-TICA125-2

TSLM230-TICA125-2

Unit:mm



Eff. Stroke: S	47	97	147	197	247	297	347	397	447	497	547	597	647	697	747	797	847	897	947	997
Mech. Stroke: S + All.	61	111	161	211	261	311	361	411	461	511	561	611	661	711	761	811	861	911	961	1011
Total Length: L	417	467	517	567	617	23.5	717	767	817	867	917	967	1017	1067	1117	1167	1217	1267	1317	1367
No. of Holes: N	8	8	8	10	10	12	12	14	14	14	16	16	18	18	18	20	20	22	22	24
Hole to End: A	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5
Mod. Wt. (kg)	19.4	20.8	22.2	23.6	25	26.4	27.8	29.2	30.6	32	33.4	34.8	36.2	37.6	39	40.4	41.8	43.2	44.6	46
Comp. Wt. (kg)	8.6																			

Eff. Stroke: S	1047	1097	1147	1197	1247	1297	1347	1397	1447	1497	1547	1597	1647	1697	1747	1797	1847	1897	1947	1997
Mech. Stroke: S + All.	1061	1111	1161	1211	1261	1311	1361	1411	1461	1511	1561	1611	1661	1711	1761	1811	1861	1911	1961	2011
Total Length: L	1417	1467	1517	1567	1617	1667	1717	1767	1817	1867	1917	1967	2017	2067	2117	2167	2217	2267	2317	2367
No. of Holes: N	24	24	26	26	28	28	28	30	30	32	32	34	34	34	36	36	38	38	38	40
Hole to End: A	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5	58.5	33.5	48.5	13.5	38.5	63.5	28.5	53.5	18.5	43.5	68.5	33.5
Mod. Wt. (kg)	47.4	48.8	50.2	51.6	53	54.4	55.8	57.2	58.6	60	61.4	62.8	64.2	65.6	67	68.4	69.8	71.2	72.6	74
Comp. Wt. (kg)	8.6																			

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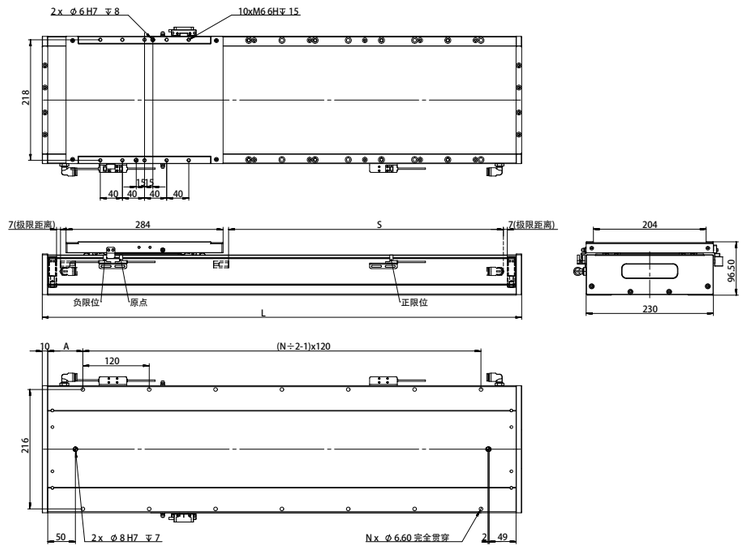
TSLM230-TICA125-3

TSLM230-TICA125-3

Unit:mm



Eff. Stroke: S	10	60	110	160	210	260	310	360	410	460	510	560	610	660	710	760	810	860	910	960
Mech. Stroke: S + All.	24	74	124	174	224	274	324	374	424	474	524	574	624	674	724	774	824	874	924	974
Total Length: L	380	430	480	530	580	630	680	730	780	830	880	930	980	1030	1080	1130	1180	1230	1280	1330
No. of Holes: N	6	8	8	10	10	10	12	12	14	14	16	16	16	18	18	20	20	20	22	22
Hole to End: A	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15	40	65	30	55
Mod. Wt. (kg)	20.7	22.1	23.5	24.9	26.3	27.7	29.1	30.5	31.9	33.3	34.7	36.1	37.5	38.9	40.3	41.7	43.1	44.5	45.9	47.3
Comp. Wt. (kg)	10.2																			

Eff. Stroke: S	1010	1060	1110	1160	1210	1260	1310	1360	1410	1460	1510	1560	1610	1660	1710	1760	1810	1860	1910	1960
Mech. Stroke: S + All.	1024	1074	1124	1174	1224	1274	1324	1374	1424	1474	1524	1574	1624	1674	1724	1774	1824	1874	1924	1974
Total Length: L	1380	1430	1480	1530	1580	1630	1680	1730	1780	1830	1880	1930	1980	2030	2080	2130	2180	2230	2280	2330
No. of Holes: N	24	24	26	26	26	28	28	30	30	30	32	32	34	34	36	36	36	38	38	40
Hole to End: A	20	45	10	35	60	25	50	15	40	65	30	55	20	45	10	35	60	25	50	15
Mod. Wt. (kg)	48.7	50.1	51.5	52.9	54.3	55.7	57.1	58.5	59.9	61.3	62.7	64.1	65.5	66.9	68.3	69.7	71.1	72.5	73.9	75.3
Comp. Wt. (kg)	10.2																			

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03
LINEAR MOTOR WITH IRON CORE

Intro

The iron-core linear motor consists of two parts: a single row of magnet yokes and a rotor assembly. The rotor part is made up of copper coils wound around the iron core. The base plate provides an efficient path for magnetic flux circulation between the motor and the magnetic track, and it also serves as an effective means of heat dissipation for the motor. Special electromagnetic design is used to achieve the required technical parameters. This type of motor offers high thrust, making it particularly suitable for applications requiring large loads and high motion rigidity.

Advantages

1. The iron core structure concentrates magnetic flux, allowing for high thrust output.
2. The cost is relatively low, and the iron core design is inexpensive.
3. The iron core facilitates heat dissipation, enabling high power in full-load applications.

Disadvantages

1. The high magnetic attraction requires strict assembly standards.
2. There is cogging effect, which impacts motion smoothness, fluctuations, and settling error. Motion control is relatively complex.

Application Industry

3C industry (Computers, Communication, Consumer electronics)
Semiconductor industry
Automotive industry
LCD panel industry
New energy industry
Photovoltaic industry
Laser processing industry
.....

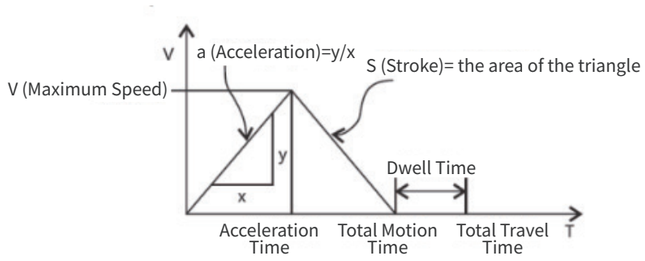
Linear motor selection:

1. The selection of a linear motor involves calculating the requirements for maximum thrust and continuous thrust.

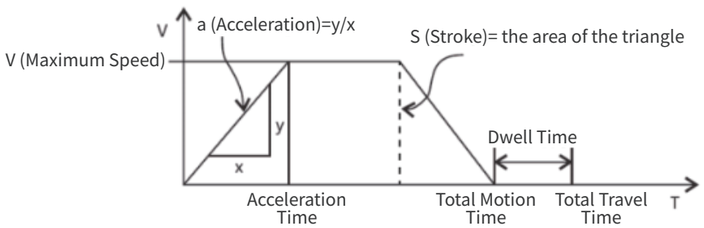
2. In accelerated linear motion, the force F=ma, where F is the force required to move the load (in Newtons), m is the mass of the moving object (in kilograms), and a is the acceleration (in meters per second squared). The maximum thrust is determined by the mass of the moving load and the maximum acceleration. In practical applications, thrust = total mass × acceleration + friction + external resistance.
For example: (Assuming no friction or external resistance) For a moving load of 10 kg (including the rotor) and an acceleration of 10 m/s^2, the motor would need to generate a force of 100 N.

3. Typically, the actual acceleration requirement is unknown, but the operating time is given. With a known travel distance and required time, the acceleration can be calculated. For short travel distances, a triangular velocity profile (without a constant speed phase) is recommended. For longer travel distances, a trapezoidal velocity profile is recommended.

4. Triangular Velocity Profile: $a = \frac{4S}{t^2}$
Where S is the travel distance, stroke, and t is the time.



5. Trapezoidal Profile: The preset constant velocity can determine the acceleration:
Acceleration = Constant velocity / (Total time - Dwell time - Displacement / Constant velocity)



6. Deceleration is calculated similarly to acceleration, unless there is an unbalanced force (such as gravity) acting on the motor.

7. To maintain constant velocity and during the dwell phase, friction and external resistance also need to be considered. (To maintain constant velocity, the motor will overcome friction and external resistance, and during servo dwell, the motor will overcome external resistance.)

8. The formula for calculating continuous thrust is as follows:

$$\text{Continuous Thrust} = \sqrt{\frac{Fa^3 \times Ta + Fc^3 \times Tc + Fd^2 \times Td + Fw^2 \times Tw}{Ta + Tc + Td + Tw}}$$

	force	duration
Acceleration Phase	Fa	Ta
Constant Velocity Phase	Fc	Tc
Deceleration Phase	Fd	Td
Dwell Phase	Fw	Tw

9. When selecting a motor based on maximum thrust and continuous thrust, a safety factor of 20-30% should be set to overcome friction and external resistance.

TIC series with iron core linear motor Order specifications:

Coil Model:

TIC A55 - 1P - 5H

Motor Type	
code	description
TIC	iron core motor

Coil/Magnet Assembly Thickness	
code	description
A	41.5mm
B	37.5mm
C	58mm
AA	60mm

Coil Width	
code	description
55	55mm
75	75mm
- -	- - -

Sensor Option	
code	description
null	no sensor
H	with Hall sensor

Cable Length	
code	description
0.5	0.5m
3	3m
null	5m
- -	- - -

Winding Type	
code	description
null	S (See Parameter Table)
P	See Parameter Table
T	See Parameter Table

Coil Length	
code	description
1	105mm
2	193mm
3	280mm
- -	- - -

Magnetic Rail Model:

TM A 55 -105 40

Motor Type	
code	description
TM	iron core motor

Coil/Magnet Assembly Thickness	
code	description
A	41.5mm
B	37.5mm
C	58mm

Coil Width	
code	description
55	55mm
75	75mm
- -	- - -

Magnetic Pole Pitch	
code	description
25	25mm
40	40mm
- -	- - -

Coil Length	
code	description
105	105mm
193	193mm
280	280mm
- -	- - -

TICA35 series with iron core

34.3mm Height

35mm width

Continuous thrust 48N~144N

Peak thrust 138N~414N

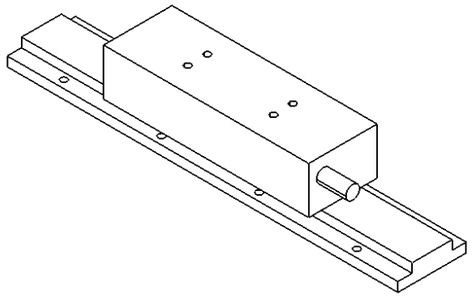
Temperature rise < 0.05℃/W

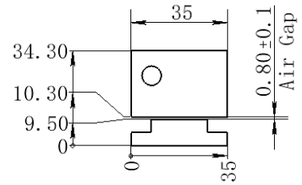
Thrust fluctuation < 2%

Product parameter

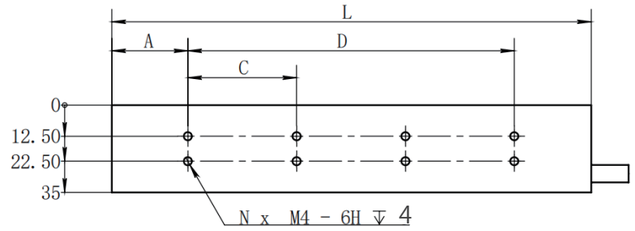
Motor Model	TICA35-1	TICA35-2	TICA35-3
Winding Code	S	S	S
Performance Parameters			
Maximum Thrust (N)	138	276	414
Continuous Thrust (N)	48	96	144
Maximum Power (W)	208	416	624
Continuous Power (W)	72	144	216
Forward Attraction Force (N)	312	624	936
Electrical Characteristics			
Maximum Current (Arms)	10.34	10.34	10.34
Continuous Current (Arms)	3.39	3.39	3.39
Thrust Constant (N/Arms)	61.36	28.32	42.48
Back EMF (Vpeak/m/s)	13.4	40.63	40.63
Line Resistance (Ohms)	1.91	3.47	5.03
Line Inductance (mH)	7.3	14.6	21.9
Time Constant (ms)	3.82	4.21	4.35
Motor Constant (N/√W)	29.6	12.41	15.46
Maximum Coil Temperature (°C)	100	100	100
Maximum Terminal Voltage (VDC)	310	310	310
Mechanical Characteristics			
Mover Length (mm)	105	193	280
Mover Mass (kg)	0.54	1.08	1.62
Stator Mass (kg/m)	2	2	2
Magnetic Pole Pitch (mm)	25	25	25

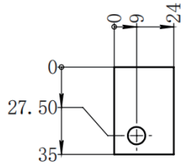
Motor outline





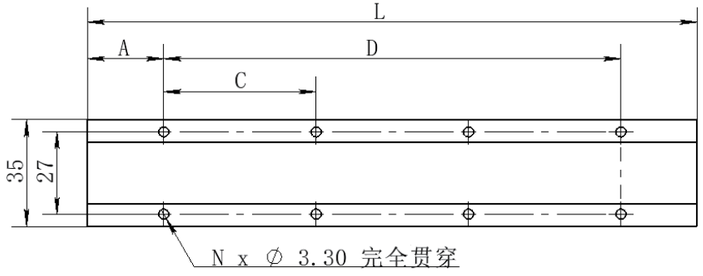
Coil profile

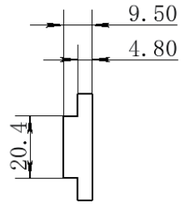




(单位:mm)	A	C	D	L	N
TICA35-1	30.6	43.8	43.8	105	4
TICA35-2	30.8	43.8	131.4	193	8
TICA35-3	30.5	43.8	291	280	12

Track profile

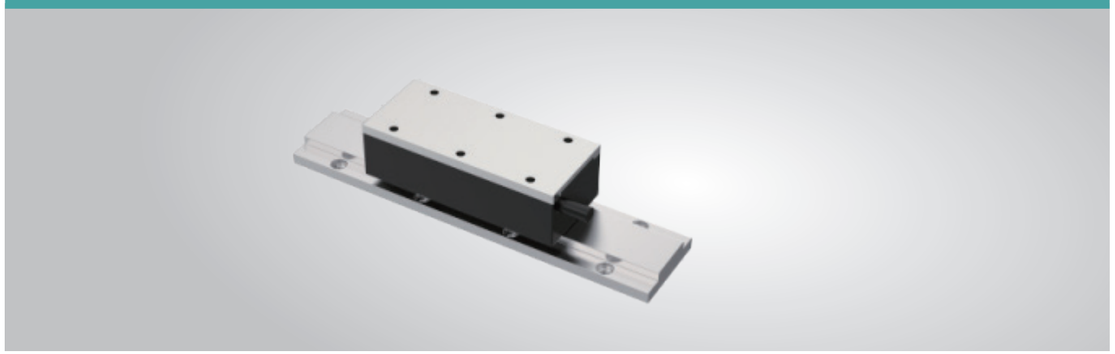




(单位:mm)	A	C	D	L	N
TMA35-150	25	50	100	150	6
TMA35-200	25	50	150	200	8
TMA35-250	25	50	200	250	10

TICA40 series with iron core

34.3mm Height
40mm width

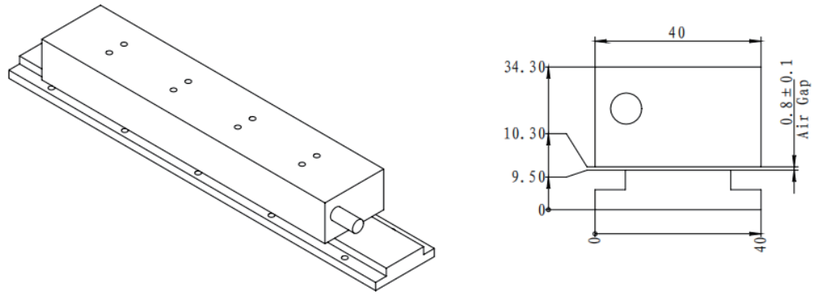


Continuous thrust 60N~180N
Peak thrust 173N~519N
Temperature rise < 0.05℃/W
Thrust fluctuation < 2%

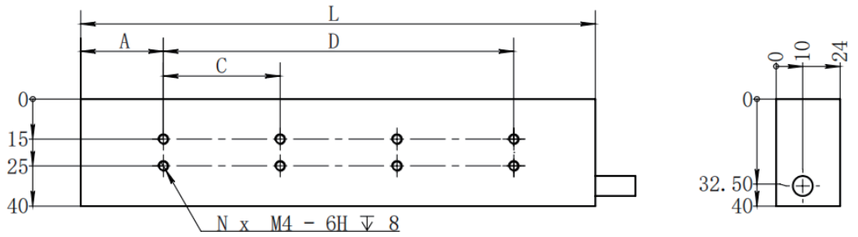
Product parameter

Motor Model	TICA40-1	TICA40-2	TICA40-3
Winding Code	S	S	S
Performance Parameters			
Maximum Thrust (N)	173	346	519
Continuous Thrust (N)	60	120	180
Maximum Power (W)	260	520	780
Continuous Power (W)	90	180	270
Forward Attraction Force (N)	379	758	1137
Electrical Characteristics			
Maximum Current (Arms)	10.37	10.37	10.37
Continuous Current (Arms)	3.4	3.4	3.4
Thrust Constant (N/Arms)	17.58	35.16	52.74
Back EMF (Vpeak/m/s)	16.73	33.46	50.19
Line Resistance (Ohms)	1.83	3.66	5.49
Line Inductance (mH)	8.37	16.74	25.11
Time Constant (ms)	4.58	4.58	4.58
Motor Constant (N/√W)	10.65	15.06	18.45
Maximum Coil Temperature (°C)	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310
Mechanical Characteristics			
Mover Length (mm)	105	193	280
Mover Mass (kg)	0.5	0.8	2.6
Stator Mass (kg/m)	2	2	2
Magnetic Pole Pitch (mm)	25	25	25

Motor outline

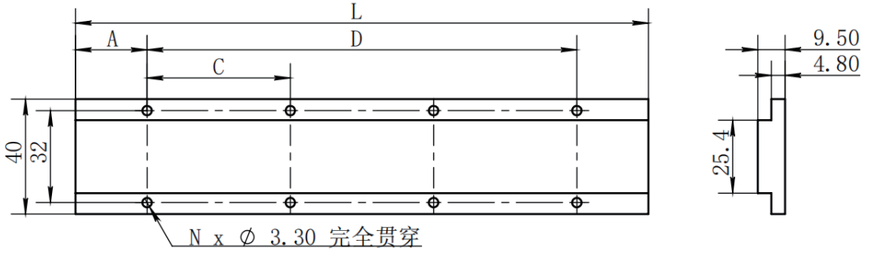


Coil profile



(单位:mm)	A	C	D	L	N
TICA40-1	30.6	43.8	43.8	105	4
TICA40-2	30.8	43.8	131.4	193	8
TICA40-3	30.5	43.8	219	280	12

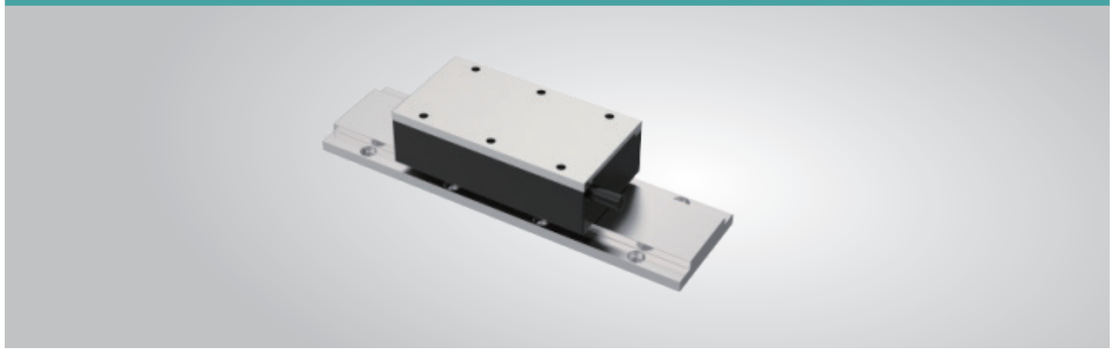
Track profile



(单位:mm)	A	C	D	L	N
TMA40-150	25	50	100	150	6
TMA40-200	25	50	150	200	8
TMA40-250	25	50	200	250	10

TICA55 series with iron core

41.5mm Height
55mm width

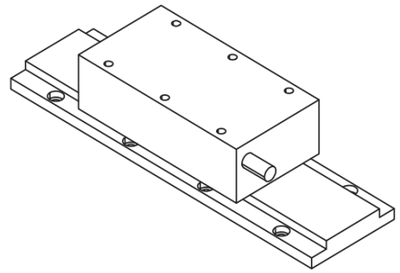


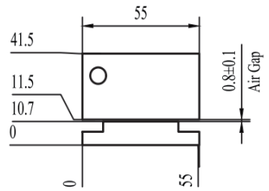
Continuous thrust 91N~273N
Peak thrust 252N~756N
Temperature rise < 0.05℃/W
Thrust fluctuation < 2%

Product parameter

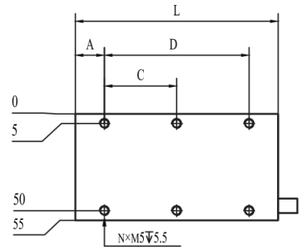
Motor Model	TICA55-1	TICA55-2		TICA55-3	
Winding Code	S	S	P	S	T
Performance Parameters					
Maximum Thrust (N)	252	504	504	756	756
Continuous Thrust (N)	91	182	182	273	273
Maximum Power (W)	396	792	792	1188	1188
Continuous Power (W)	137	274	274	411	411
Forward Attraction Force (N)	530	1060	1060	1590	1590
Electrical Characteristics					
Maximum Current (Arms)	10.31	10.31	20.62	10.31	30.93
Continuous Current (Arms)	3.38	3.38	6.76	3.38	10.14
Thrust Constant (N/Arms)	26.92	53.84	26.92	80.76	26.92
Back EMF (Vpeak/m/s)	23.42	46.84	23.42	70.26	23.42
Line Resistance (Ohms)	2.53	5.06	1.27	7.59	0.84
Line Inductance (mH)	11.6	23.2	5.8	34.8	3.87
Time Constant (ms)	4.58	4.58	4.58	4.58	4.58
Motor Constant (N/√W)	13.82	19.54	19.54	23.94	23.94
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	105	193	193	280	280
Mover Mass (kg)	0.9	1.3	1.3	1.7	1.7
Stator Mass (kg/m)	3.6	3.6	3.6	3.6	3.6
Magnetic Pole Pitch (mm)	25	25	25	25	25

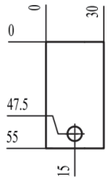
Motor outline





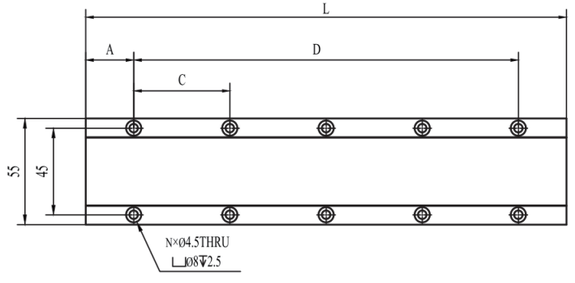
Coil profile

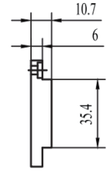




(单位:mm)	A	C	D	L	N
TICA55-1	15	37.5	75	105	6
TICA55-2	16.5	40	160	193	10
TICA55-3	20	40	240	280	14

Track profile

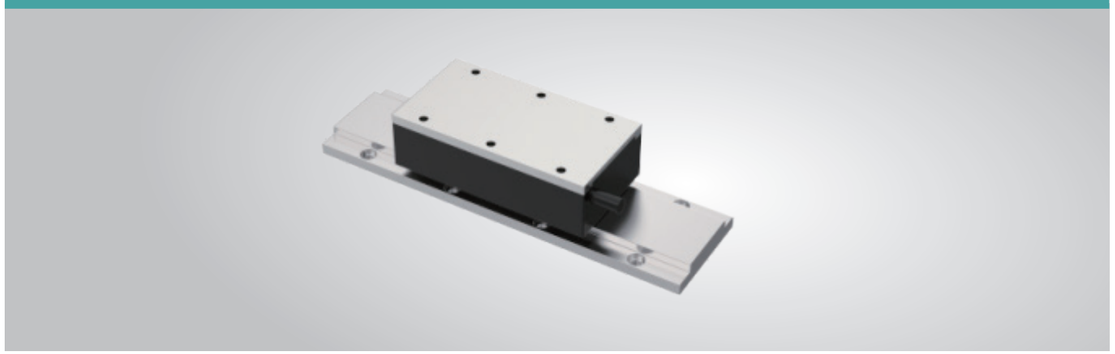




(单位:mm)	A	C	D	L	N
TMA55-150	25	50	100	150	6
TMA55-200	25	50	150	200	8
TMA55-250	25	50	200	250	10

TICAA55 series with iron core

60mm Height
55mm width

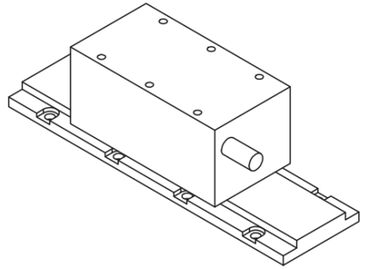


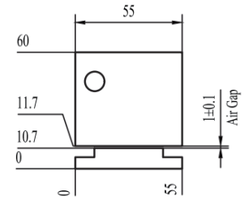
Continuous thrust 118N~471N
Peak thrust 270N~1073N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

Product parameter

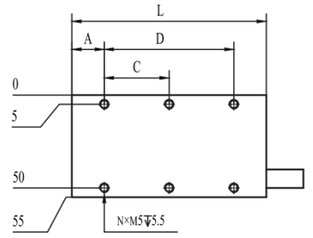
Motor Model	TICAA55-1	TICAA55-2	TICAA55-4
Winding Code	S	S	S
Performance Parameters			
Maximum Thrust (N)	270	541	1073
Continuous Thrust (N)	118	238	471
Maximum Power (W)	405	812	1609
Continuous Power (W)	178	357	707
Forward Attraction Force (N)	423	846	1691
Electrical Characteristics			
Maximum Current (Arms)	8.9	8.93	17.7
Continuous Current (Arms)	2.78	2.79	5.53
Thrust Constant (N/Arms)	42.6	85.19	85.19
Back EMF (Vpeak/m/s)	36.78	73.18	73.31
Line Resistance (Ohms)	4.19	8.37	4.15
Line Inductance (mH)	55.29	110.24	53.97
Time Constant (ms)	13.21	13.17	13.01
Motor Constant (N/√W)	17	24.04	34.16
Maximum Coil Temperature (°C)	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310
Mechanical Characteristics			
Mover Length (mm)	105	198	380
Mover Mass (kg)	1.7	2.7	4.3
Stator Mass (kg/m)	3.6	3.6	3.6
Magnetic Pole Pitch (mm)	25	25	25

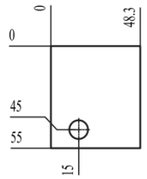
Motor outline





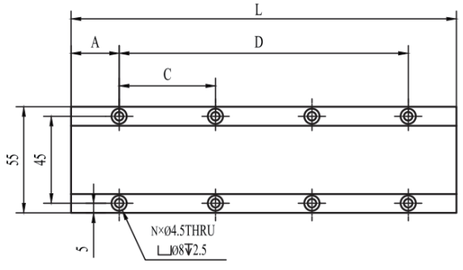
Coil profile

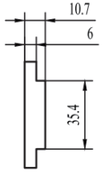




(单位:mm)	A	C	D	L	N
TICAA55-1	17.5	35	70	105	6
TICAA55-2	11.5	35	175	198	12
TICAA55-3	15	35	350	380	22

Track profile

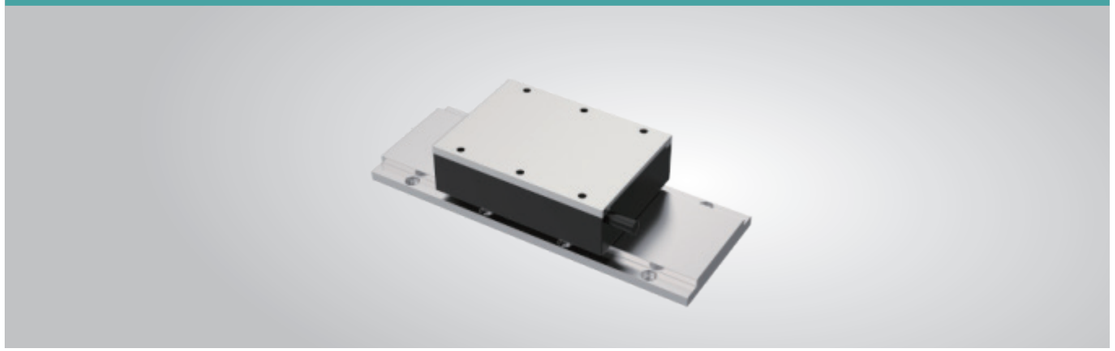




(单位:mm)	A	C	D	L	N
TMA55-150	25	50	100	150	6
TMA55-200	25	50	150	200	8
TMA55-250	25	50	200	250	10

TICA75 series with iron core

41.5mm Height　75mm width

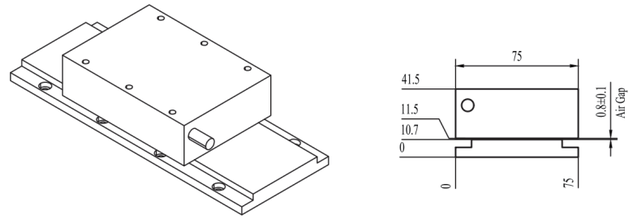


Continuous thrust	Peak thrust	Temperature rise	Thrust fluctuation
138N~414N	371N~1113N	< 0.05℃/W	< 2%

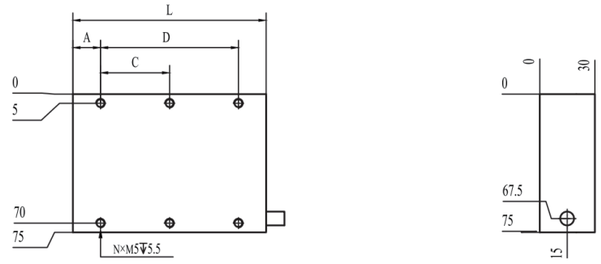
Product parameter

Motor Model	TICA75-1	TICA75-2		TICA75-3	
Winding Code	S	S	P	S	T
Performance Parameters					
Maximum Thrust (N)	371	742	742	1113	1113
Continuous Thrust (N)	138	276	276	414	414
Maximum Power (W)	557	1114	1114	1671	1671
Continuous Power (W)	207	414	414	621	621
Forward Attraction Force (N)	640	1280	1280	1920	1920
Electrical Characteristics					
Maximum Current (Arms)	10.31	10.31	20.62	10.31	30.93
Continuous Current (Arms)	3.23	3.23	6.46	3.23	9.69
Thrust Constant (N/Arms)	41.57	83.14	41.57	124.71	41.57
Back EMF (Vpeak/m/s)	36.7	73.4	36.7	110.1	36.7
Line Resistance (Ohms)	3.41	6.82	1.71	10.23	1.14
Line Inductance (mH)	15.66	31.32	7.83	46.98	5.22
Time Constant (ms)	4.59	4.59	4.59	4.59	4.59
Motor Constant (N/√W)	18.89	26.72	26.72	32.72	32.72
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	105	193	193	280	280
Mover Mass (kg)	1.16	2.1	2.1	2.5	2.5
Stator Mass (kg/m)	5.1	5.1	5.1	5.1	5.1
Magnetic Pole Pitch (mm)	25	25	25	25	25

Motor outline

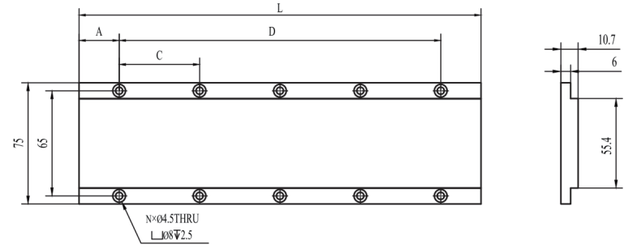


Coil profile



(单位:mm)	A	C	D	L	N
TICA75-1	15	37.5	75	105	6
TICA75-2	16.5	40	160	193	10
TICA75-3	20	40	240	280	14

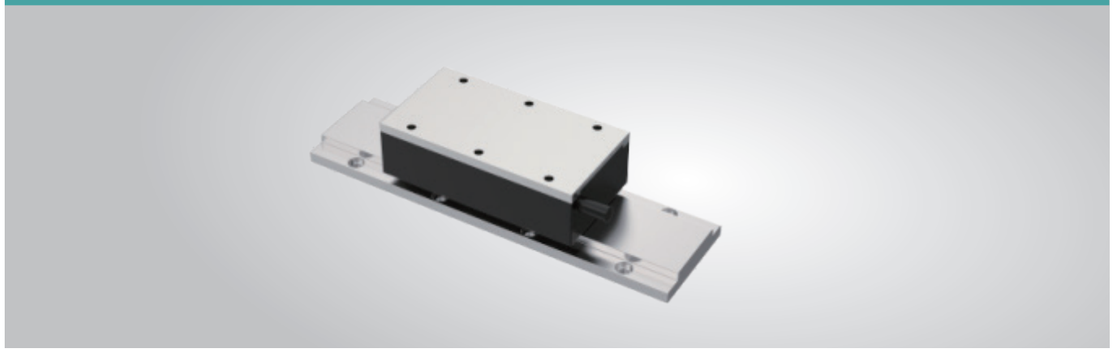
Track profile



(单位:mm)	A	C	D	L	N
TMA75-150	25	50	100	150	6
TMA75-200	25	50	150	200	8
TMA75-250	25	50	200	250	10

TICAA75 series with iron core

60mm Height
75mm width

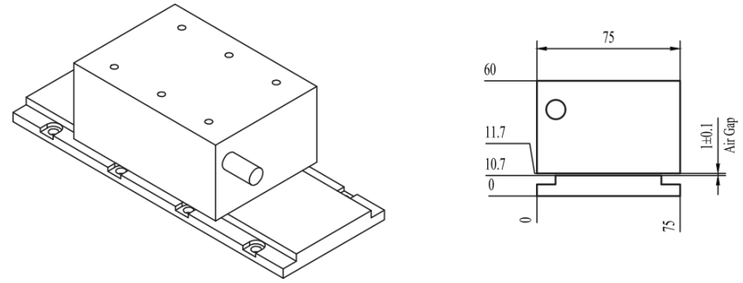


Continuous thrust 186N~739N
Peak thrust 413N~1652N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

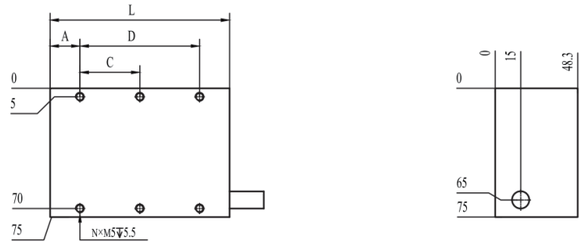
Product parameter

Motor Model	TICAA75-1	TICAA75-2	TICAA75-4
Winding Code	S	S	FSP
Performance Parameters			
Maximum Thrust (N)	413	826	1652
Continuous Thrust (N)	186	370	739
Maximum Power (W)	1240	2478	4956
Continuous Power (W)	557	1109	2217
Forward Attraction Force (N)	665	1329	2658
Electrical Characteristics			
Maximum Current (Arms)	8.68	8.67	17.33
Continuous Current (Arms)	2.78	2.77	5.52
Thrust Constant (N/Arms)	66.79	133.57	133.88
Back EMF (Vpeak/m/s)	57.8	115	115.2
Line Resistance (Ohms)	5.4	10.80	5.4
Line Inductance (mH)	68.54	137.08	57.04
Time Constant (ms)	12.69	12.69	10.56
Motor Constant (N/√W)	20.33	28.74	40.74
Maximum Coil Temperature (°C)	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310
Mechanical Characteristics			
Mover Length (mm)	105	198	380
Mover Mass (kg)	2.1	3.8	6.5
Stator Mass (kg/m)	5.1	5.1	5.1
Magnetic Pole Pitch (mm)	25	25	25

Motor outline

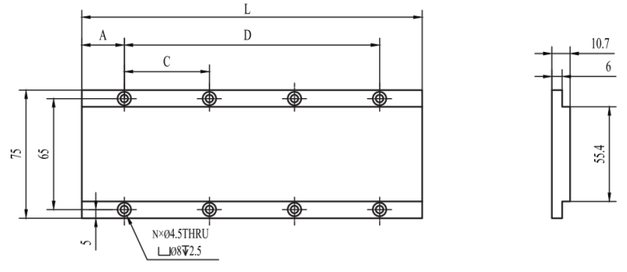


Coil profile



(单位:mm)	A	C	D	L	N
TICAA75-1	17.5	35	70	105	6
TICAA75-2	11.5	35	175	198	12
TICAA75-3	15	35	350	380	22

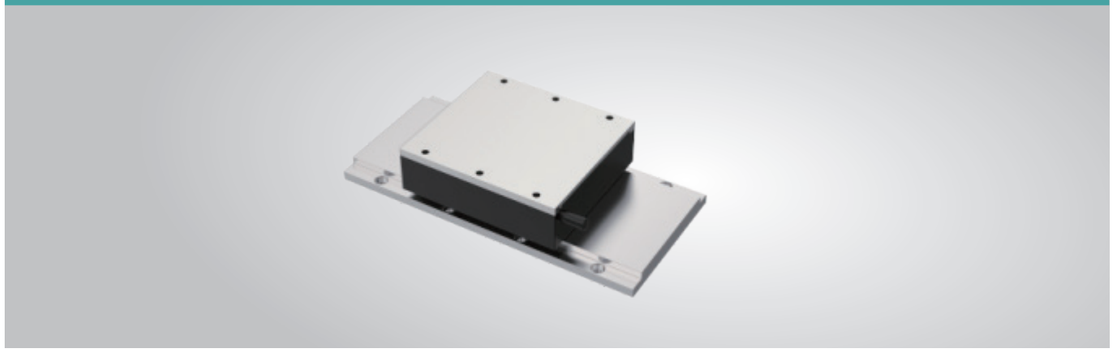
Track profile



(单位:mm)	A	C	D	L	N
TMAA75-150	25	50	100	150	6
TMAA75-200	25	50	150	200	8
TMAA75-250	25	50	200	250	10

TICA95 series with iron core

41.5mm Height
95mm width

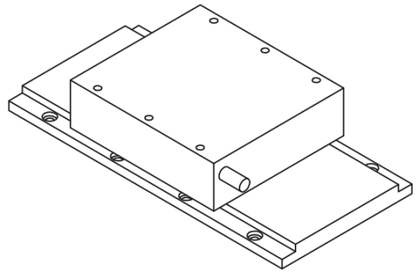


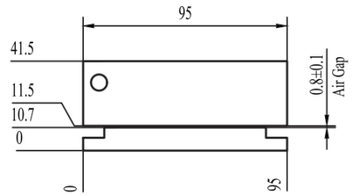
Continuous thrust 189N~567N
Peak thrust 522N~1566N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

Product parameter

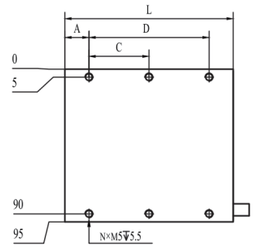
Motor Model	TICA95-1	TICA95-2		TICA95-3	
Winding Code	S	S	P	S	T
Performance Parameters					
Maximum Thrust (N)	522	1044	1044	1566	1566
Continuous Thrust (N)	189	378	378	567	567
Maximum Power (W)	783	1566	1566	2349	2349
Continuous Power (W)	283	566	566	849	849
Forward Attraction Force (N)	873	1746	1746	2619	2619
Electrical Characteristics					
Maximum Current (Arms)	10.3	10.3	20.6	10.3	30.9
Continuous Current (Arms)	3.28	3.28	6.56	3.28	9.84
Thrust Constant (N/Arms)	56.84	113.68	56.84	170.52	56.84
Back EMF (Vpeak/m/s)	50.18	100.36	50.18	150.54	50.18
Line Resistance (Ohms)	4.29	8.58	2.15	12.87	1.43
Line Inductance (mH)	23.6	47.2	11.8	70.8	7.87
Time Constant (ms)	5.5	5.5	5.5	5.5	5.5
Motor Constant (N/√W)	22.72	32.12	32.12	39.34	39.34
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	105	193	193	280	280
Mover Mass (kg)	1.52	2.8	2.8	3.6	3.6
Stator Mass (kg/m)	6.6	6.6	6.6	6.6	6.6
Magnetic Pole Pitch (mm)	25	25	25	25	25

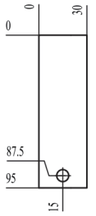
Motor outline





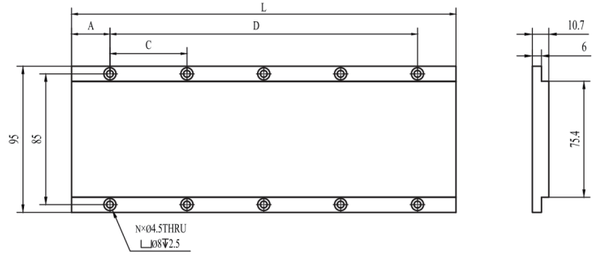
Coil profile





(单位:mm)	A	C	D	L	N
TICA95-1	15	37.5	75	105	6
TICA95-2	16.5	40	160	193	10
TICA95-3	20	40	240	280	14

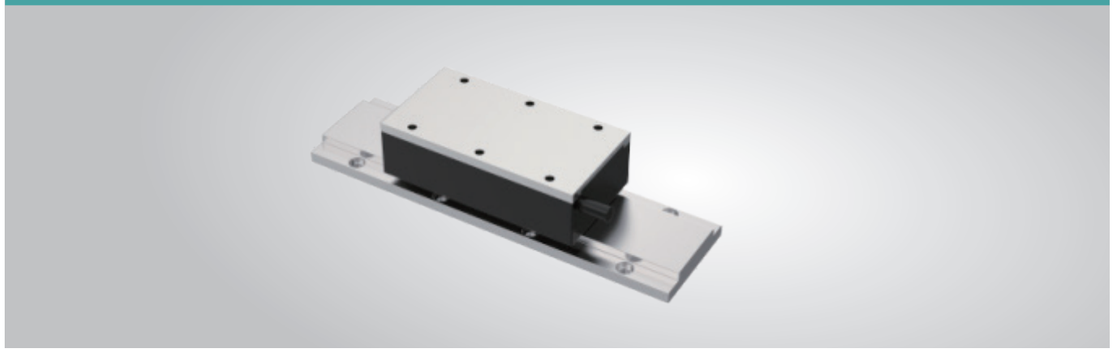
Track profile



(单位:mm)	A	C	D	L	N
TMA95-150	25	50	100	150	6
TMA95-200	25	50	150	200	8
TMA95-250	25	50	200	250	10

TICAA95 series with iron core

60mm Height
95mm width

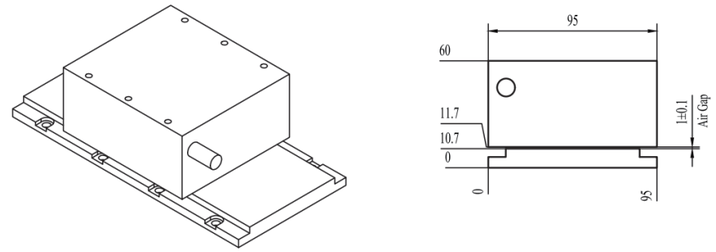


Continuous thrust 252N~1005N
Peak thrust 564N~2250N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

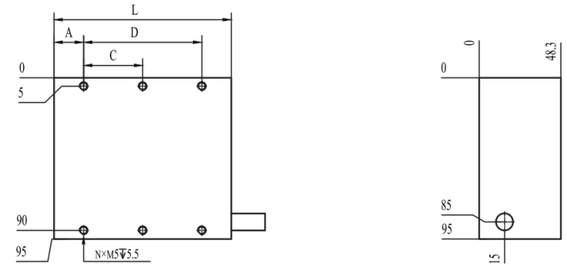
Product parameter

Motor Model	TICAA95-1	TICAA95-2	TICAA95-4	
Winding Code	S	S	FSP	P
Performance Parameters				
Maximum Thrust (N)	564	1128	2250	2250
Continuous Thrust (N)	252	504	1005	1005
Maximum Power (W)	1693	3386	6750	6750
Continuous Power (W)	756	1512	3014	3014
Forward Attraction Force (N)	906	1812	3625	3625
Electrical Characteristics				
Maximum Current (Arms)	8.69	8.69	17.32	34.76
Continuous Current (Arms)	2.77	2.77	5.52	11.08
Thrust Constant (N/Arms)	91.07	182.14	182.15	91.07
Back EMF (Vpeak/m/s)	78.82	157.64	157.09	78.82
Line Resistance (Ohms)	7.36	14.72	7.36	1.84
Line Inductance (mH)	93.46	186.92	93.46	23.37
Time Constant (ms)	12.69	12.69	12.69	12.69
Motor Constant (N/√W)	23.74	33.57	33.57	23.74
Maximum Coil Temperature (°C)	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310
Mechanical Characteristics				
Mover Length (mm)	105	198	380	380
Mover Mass (kg)	2.9	5.1	8.4	8.4
Stator Mass (kg/m)	6.6	6.6	6.6	6.6
Magnetic Pole Pitch (mm)	25	25	25	25

Motor outline

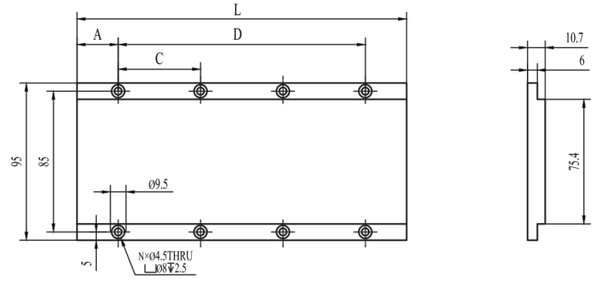


Coil profile



(单位:mm)	A	C	D	L	N
TICAA95-1	17.5	35	70	105	6
TICAA95-2	11.5	35	175	198	12
TICAA95-3	15	35	350	380	22

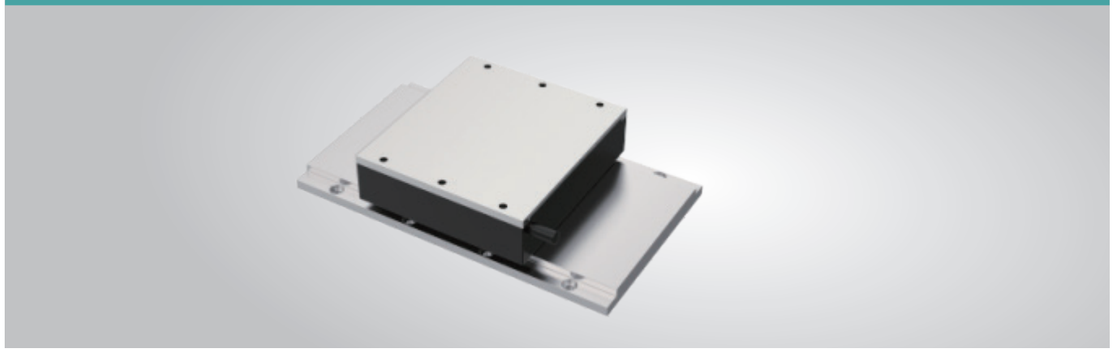
Track profile



(单位:mm)	A	C	D	L	N
TMAA95-150	25	50	100	150	6
TMAA95-200	25	50	150	200	8
TMAA95-250	25	50	200	250	10

TICA115 series with iron core

41.5mm Height
115mm width

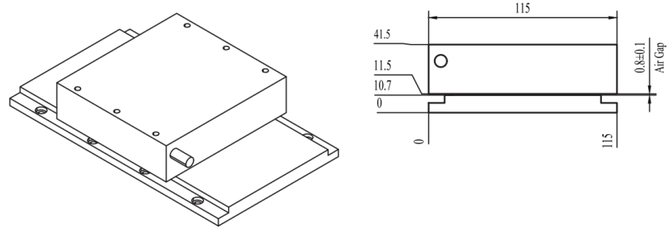


Continuous thrust 234N~702N
Peak thrust 648N~1944N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

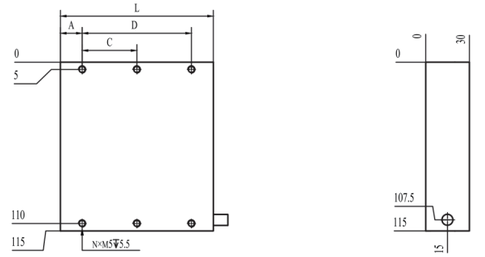
Product parameter

Motor Model	TICA115-1	TICA115-2		TICA115-3	
Winding Code	S	S	P	S	T
Performance Parameters					
Maximum Thrust (N)	648	1296	1296	1944	1944
Continuous Thrust (N)	234	468	468	702	702
Maximum Power (W)	972	1944	1944	2916	2916
Continuous Power (W)	351	702	702	1053	1053
Forward Attraction Force (N)	1105	2210	2210	3315	3315
Electrical Characteristics					
Maximum Current (Arms)	10.29	10.29	20.58	10.29	30.87
Continuous Current (Arms)	3.22	3.22	6.44	3.22	9.66
Thrust Constant (N/Arms)	72.02	144.04	72.02	216.06	72.02
Back EMF (Vpeak/m/s)	63.56	127.12	63.56	190.68	63.56
Line Resistance (Ohms)	4.2	8.4	2.1	12.6	1.4
Line Inductance (mH)	27.8	55.6	13.9	83.4	9.27
Time Constant (ms)	5.38	5.38	5.38	5.38	5.38
Motor Constant (N/√W)	28.95	40.95	40.95	50.15	50.15
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	105	193	193	280	280
Mover Mass (kg)	1.8	3.4	3.4	4.6	4.6
Stator Mass (kg/m)	8.2	8.2	8.2	8.2	8.2
Magnetic Pole Pitch (mm)	25	25	25	25	25

Motor outline

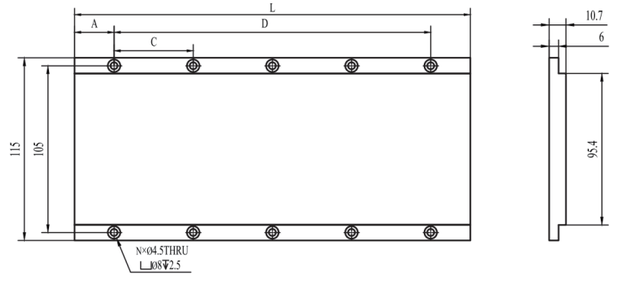


Coil profile



(单位:mm)	A	C	D	L	N
TICA115-1	15	37.5	75	105	6
TICA115-2	16.5	40	160	193	10
TICA115-3	20	40	240	280	14

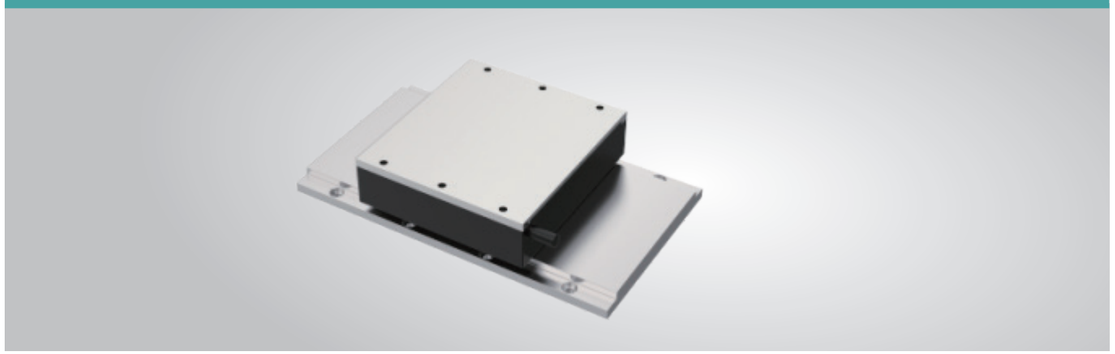
Track profile



(单位:mm)	A	C	D	L	N
TMA115-150	25	50	100	150	6
TMA115-200	25	50	150	200	8
TMA115-250	25	50	200	250	10

TICA125 series with iron core

41.5mm Height
125mm width

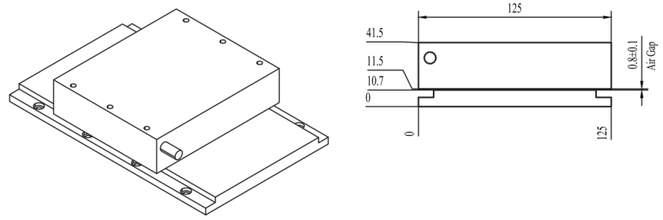


Continuous thrust 273N~819N
Peak thrust 759N~2277N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

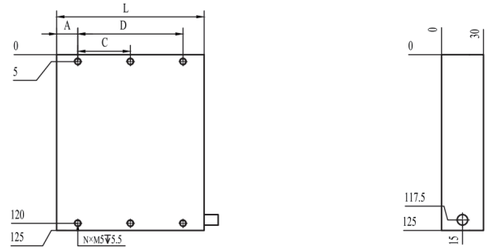
Product parameter

Motor Model	TICA125-1	TICA125-2		TICA125-3	
Winding Code	S	S	P	S	T
Performance Parameters					
Maximum Thrust (N)	759	1518	1518	2277	2277
Continuous Thrust (N)	273	546	546	819	819
Maximum Power (W)	1138.5	2277	2277	3415.5	3415.5
Continuous Power (W)	410	820	820	1230	1230
Forward Attraction Force (N)	1221	2442	2442	3663	3663
Electrical Characteristics					
Maximum Current (Arms)	10.28	10.28	20.56	10.28	30.84
Continuous Current (Arms)	3.38	3.38	6.76	3.38	10.14
Thrust Constant (N/Arms)	79.59	159.18	79.59	238.77	79.59
Back EMF (Vpeak/m/s)	70.25	140.5	70.25	210.75	70.25
Line Resistance (Ohms)	5.75	11.5	2.88	17.25	1.92
Line Inductance (mH)	31.46	62.92	15.73	94.38	10.49
Time Constant (ms)	5.47	5.47	5.47	5.47	5.47
Motor Constant (N/√W)	27.5	38.89	38.89	47.64	47.64
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	105	193	193	280	280
Mover Mass (kg)	2	4.3	4.3	5.9	5.9
Stator Mass (kg/m)	8.9	8.9	8.9	8.9	8.9
Magnetic Pole Pitch (mm)	25	25	25	25	25

Motor outline

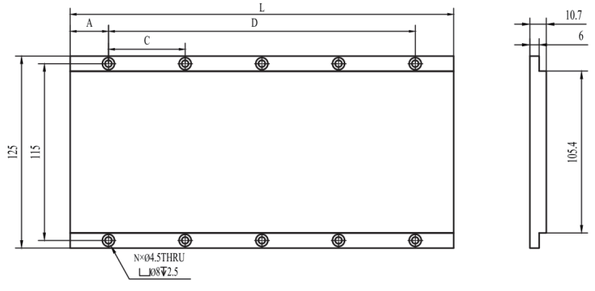


Coil profile



(单位:mm)	A	C	D	L	N
TICA125-1	15	37.5	75	105	6
TICA125-2	16.5	40	160	193	10
TICA125-3	20	40	240	280	14

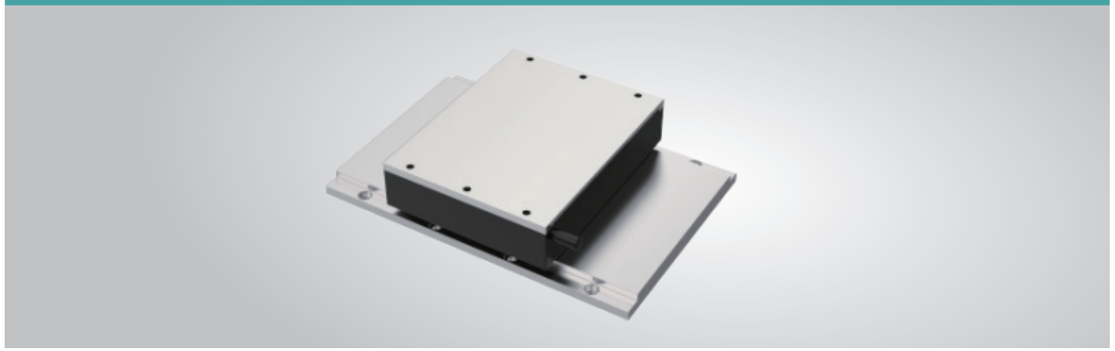
Track profile



(单位:mm)	A	C	D	L	N
TMA125-150	25	50	100	150	6
TMA125-200	25	50	150	200	8
TMA125-250	25	50	200	250	10

TICA135 series with iron core

41.5mm Height
135mm width

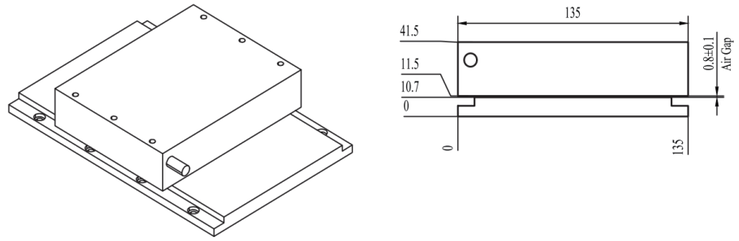


Continuous thrust 294N~882N
Peak thrust 851N~2553N
Temperature rise < 0.05°C/W
Thrust fluctuation < 2%

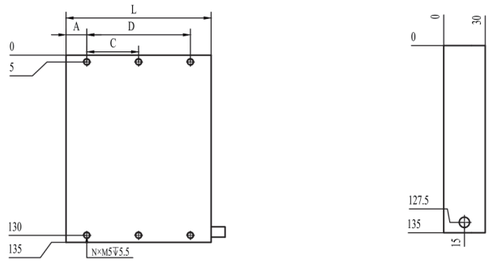
Product parameter

Motor Model	TICA135-1	TICA135-2		TICA135-3	
Winding Code	S	S	P	S	T
Performance Parameters					
Maximum Thrust (N)	851	1702	1702	2553	2553
Continuous Thrust (N)	294	588	588	882	882
Maximum Power (W)	1276	2552	2552	3828	3828
Continuous Power (W)	441	882	882	1323	1323
Forward Attraction Force (N)	1741	3482	3482	5223	5223
Electrical Characteristics					
Maximum Current (Arms)	10.31	10.31	20.62	10.31	30.93
Continuous Current (Arms)	3.38	3.38	6.76	3.38	10.14
Thrust Constant (N/Arms)	80.77	161.54	80.77	242.31	80.77
Back EMF (Vpeak/m/s)	70.26	140.52	70.26	210.78	70.26
Line Resistance (Ohms)	6.9	13.8	3.45	20.7	2.3
Line Inductance (mH)	34.8	69.6	17.4	104.4	11.6
Time Constant (ms)	4.58	4.58	4.58	4.58	4.58
Motor Constant (N/√W)	27.04	38.24	38.24	46.83	46.83
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	105	193	193	280	280
Mover Mass (kg)	2	4.3	4.3	5.9	5.9
Stator Mass (kg/m)	8.9	8.9	8.9	8.9	8.9
Magnetic Pole Pitch (mm)	25	25	25	25	25

Motor outline

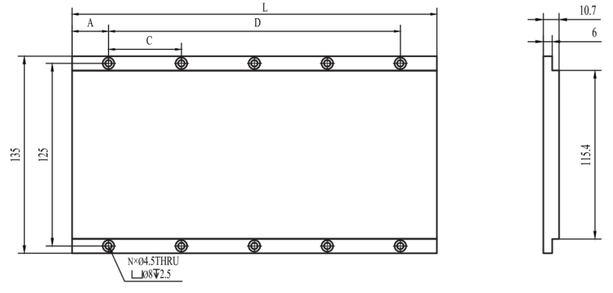


Coil profile



(单位:mm)	A	C	D	L	N
TICA135-1	15	37.5	75	105	6
TICA135-2	16.5	40	160	193	10
TICA135-3	20	40	240	280	14

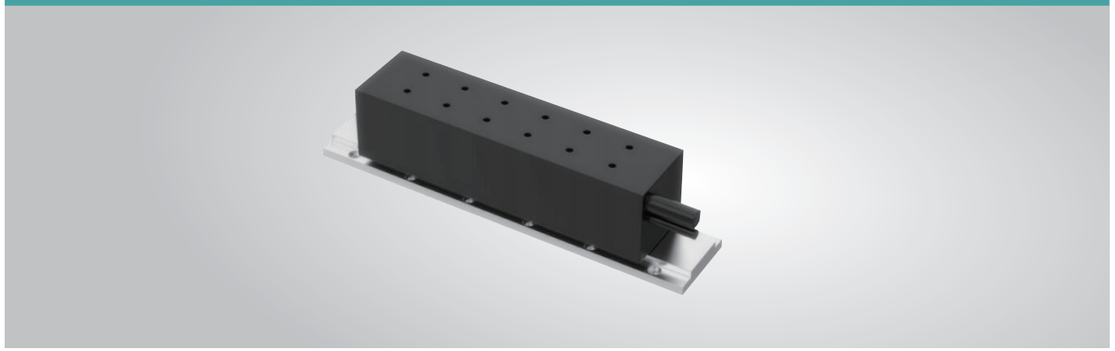
Track profile



(单位:mm)	A	C	D	L	N
TMA135-150	25	50	100	150	6
TMA135-200	25	50	150	200	8
TMA135-250	25	50	200	250	10

TICG50 series with iron core

60.8mm Height
51mm width

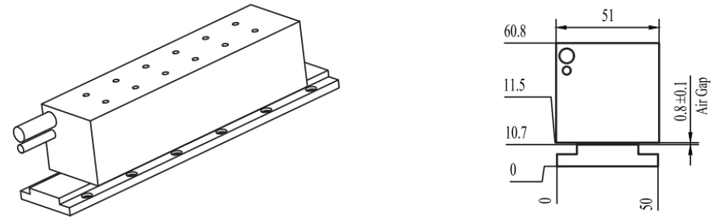


Continuous thrust 119.4N~477.6N
Peak thrust 253.5N~1014N
Temperature rise < 0.06°C/W
Thrust fluctuation < 2%

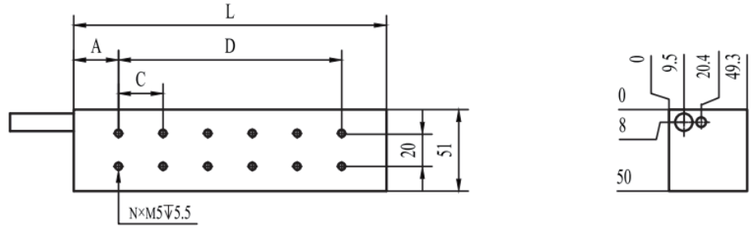
Product parameter

Motor Model	TICG50-1	TICG50-2	TICG50-4
Winding Code	S	S	FSP
Performance Parameters			
Maximum Thrust (N)	253.5	507	1014
Continuous Thrust (N)	119.4	238.8	477.6
Maximum Power (W)	760.5	1521	3042
Continuous Power (W)	358.2	716.4	1432.8
Forward Attraction Force (N)	390	780	1560
Electrical Characteristics			
Maximum Current (Arms)	14.52	14.52	29.04
Continuous Current (Arms)	4.84	4.84	9.68
Thrust Constant (N/Arms)	24.67	49.34	49.34
Back EMF (Vpeak/m/s)	20.31	40.63	40.63
Line Resistance (Ohms)	0.86	1.72	0.86
Line Inductance (mH)	19.8	39.6	19.8
Time Constant (ms)	23.02	23.02	23.02
Motor Constant (N/√W)	21.72	30.72	43.33
Maximum Coil Temperature (°C)	130	130	130
Maximum Terminal Voltage (VDC)	600	600	600
Mechanical Characteristics			
Mover Length (mm)	112	196	364
Mover Mass (kg)	1.5	2.7	5.1
Stator Mass (kg/m)	2.5	2.5	2.5
Magnetic Pole Pitch (mm)	42	42	42

Motor outline

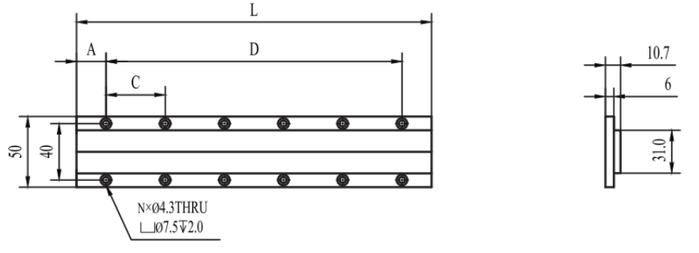


Coil profile



(单位:mm)	A	C	D	L	N
TICG50-1	28	28	56	112	6
TICG50-2	28	28	140	196	12
TICG50-4	28	28	308	364	24

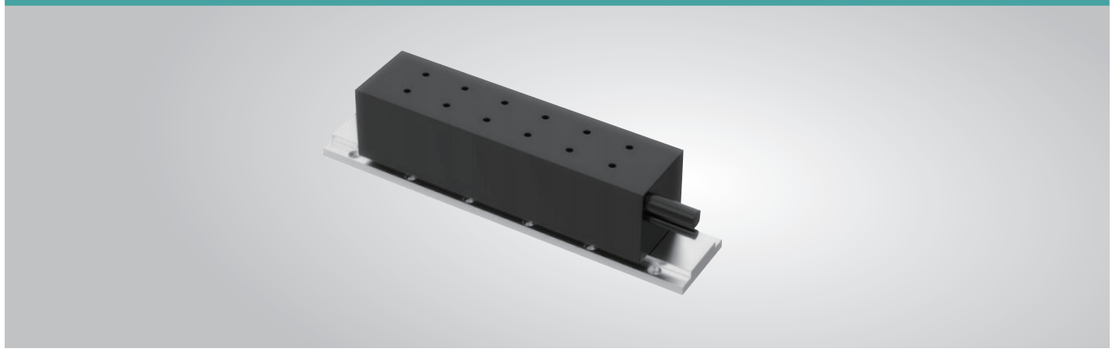
Track profile



(单位:mm)	A	C	D	L	N
TMG50-168	21	42	126	168	8
TMG50-252	21	42	210	252	12
TMG50-420	21	42	378	420	20

TICG70 series with iron core

60.8mm Height | 71mm width

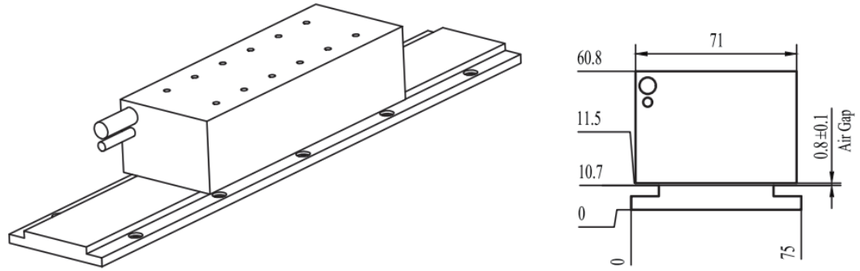


Continuous thrust 199N~796N | Peak thrust 422.5N~1690N | Temperature rise < 0.06°C/W | Thrust fluctuation < 2%

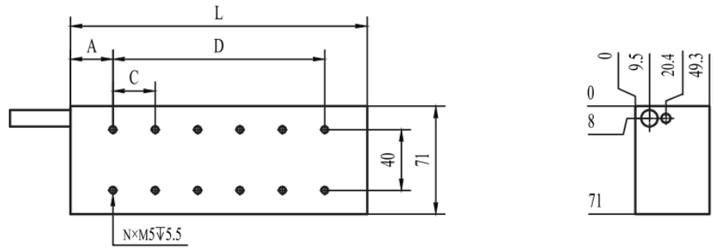
Product parameter

Motor Model	TICG70-1	TICG70-2	TICG70-4
Winding Code	S	S	FSP
Performance Parameters			
Maximum Thrust (N)	422.5	845	1690
Continuous Thrust (N)	199	398	796
Maximum Power (W)	1267.5	2535	5070
Continuous Power (W)	597	1194	2388
Forward Attraction Force (N)	650	1300	2600
Electrical Characteristics			
Maximum Current (Arms)	14.52	14.52	29.04
Continuous Current (Arms)	4.84	4.84	9.68
Thrust Constant (N/Arms)	41.12	82.23	82.23
Back EMF (Vpeak/m/s)	33.86	67.71	67.71
Line Resistance (Ohms)	1.27	2.54	1.27
Line Inductance (mH)	33	66	33
Time Constant (ms)	25.98	25.98	25.98
Motor Constant (N/√W)	29.79	42.13	59.58
Maximum Coil Temperature (°C)	130	130	130
Maximum Terminal Voltage (VDC)	600	600	600
Mechanical Characteristics			
Mover Length (mm)	112	196	364
Mover Mass (kg)	2.2	4.1	7.9
Stator Mass (kg/m)	4.7	4.7	4.7
Magnetic Pole Pitch (mm)	42	42	42

Motor outline

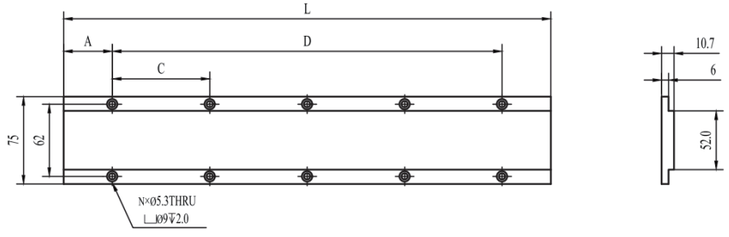


Coil profile



(单位:mm)	A	C	D	L	N
TICG70-1	28	28	56	112	6
TICG70-2	28	28	140	196	12
TICG70-4	28	28	308	364	24

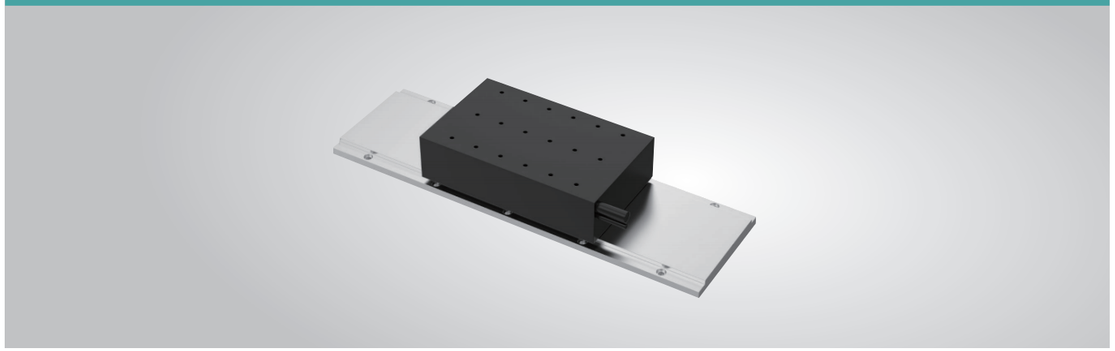
Track profile



(单位:mm)	A	C	D	L	N
TMG70-168	42	84	84	168	8
TMG70-252	42	84	168	252	12
TMG70-420	42	84	336	420	20

TICG120 series with iron core

60.8mm Height
121mm width

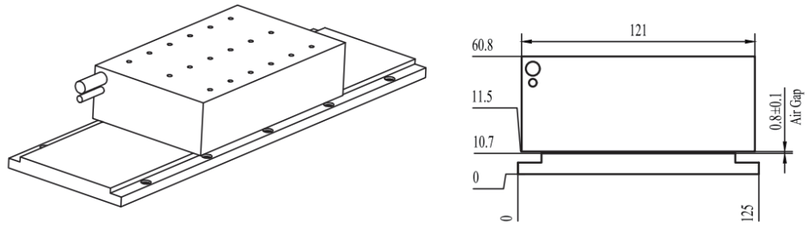


Continuous thrust 398N~1592N
Peak thrust 845N~3380N
Temperature rise < 0.06°C/W
Thrust fluctuation < 2%

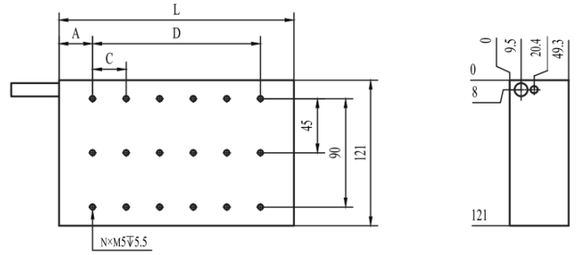
Product parameter

Motor Model	TICG120-1	TICG120-2	TICG120-4
Winding Code	S	S	FSP
Performance Parameters			
Maximum Thrust (N)	845	1690	3380
Continuous Thrust (N)	398	796	1592
Maximum Power (W)	2535	5070	10140
Continuous Power (W)	1194	2388	4776
Forward Attraction Force (N)	1300	2600	5200
Electrical Characteristics			
Maximum Current (Arms)	14.52	14.52	29.04
Continuous Current (Arms)	4.84	4.84	9.68
Thrust Constant (N/Arms)	82.23	164.46	164.46
Back EMF (Vpeak/m/s)	67.71	135.43	135.43
Line Resistance (Ohms)	2.3	4.6	2.3
Line Inductance (mH)	66	132	66
Time Constant (ms)	28.7	28.7	28.7
Motor Constant (N/√W)	44.27	62.61	88.54
Maximum Coil Temperature (°C)	130	130	130
Maximum Terminal Voltage (VDC)	600	600	600
Mechanical Characteristics			
Mover Length (mm)	112	196	364
Mover Mass (kg)	4	7	13.5
Stator Mass (kg/m)	8.5	8.5	8.5
Magnetic Pole Pitch (mm)	42	42	42

Motor outline

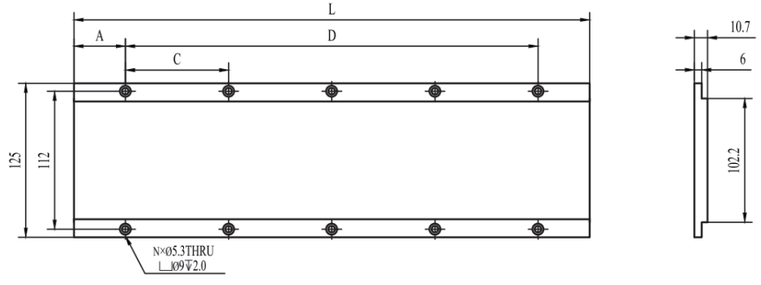


Coil profile



(单位:mm)	A	C	D	L	N
TICG120-1	28	28	56	112	9
TICG120-2	28	28	140	196	18
TICG120-4	28	28	308	364	36

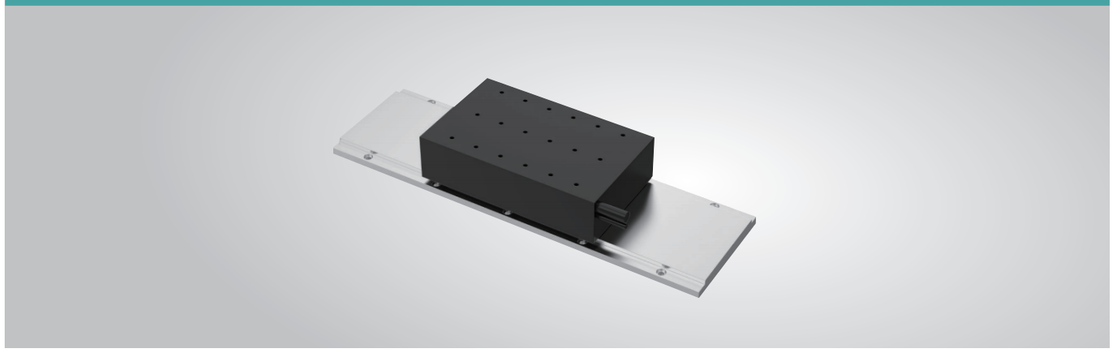
Track profile



(单位:mm)	A	C	D	L	N
TMG70-168	42	84	84	168	8
TMG70-252	42	84	168	252	12
TMG70-420	42	84	336	420	20

TICG170 series with iron core

60.8mm Height
171mm width

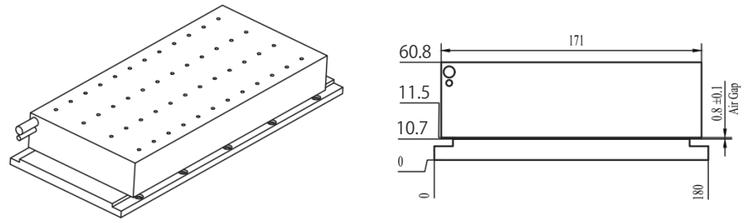


Continuous thrust 2388N~4776N
Peak thrust 5070N~10140N
Temperature rise < 0.06°C/W
Thrust fluctuation < 2%

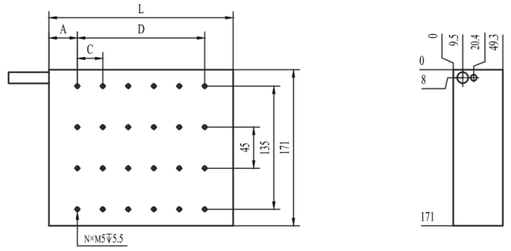
Product parameter

Motor Model	TICG170-4	TICG170-8
Winding Code	P	P
Performance Parameters		
Maximum Thrust (N)	5070	10140
Continuous Thrust (N)	2388	4776
Maximum Power (W)	15210	30420
Continuous Power (W)	7164	14328
Forward Attraction Force (N)	7800	15600
Electrical Characteristics		
Maximum Current (Arms)	29.04	58.08
Continuous Current (Arms)	9.68	19.36
Thrust Constant (N/Arms)	246.69	246.69
Back EMF (Vpeak/m/s)	203.14	203.14
Line Resistance (Ohms)	3.33	1.665
Line Inductance (mH)	99	49.5
Time Constant (ms)	29.73	29.73
Motor Constant (N/√W)	110.38	156.1
Maximum Coil Temperature (°C)	130	130
Maximum Terminal Voltage (VDC)	600	600
Mechanical Characteristics		
Mover Length (mm)	364	700
Mover Mass (kg)	20.2	39.4
Stator Mass (kg/m)	15.1	15.1
Magnetic Pole Pitch (mm)	42	42

Motor outline

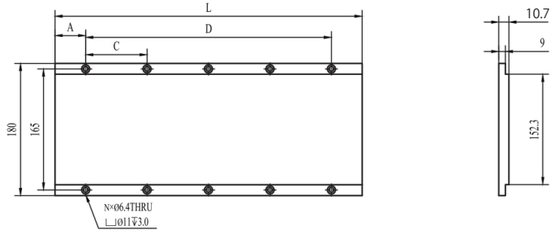


Coil profile



(单位:mm)	A	C	D	L	N
TICG170-4	28	28	308	364	48
TICG170-8	28	28	644	700	96

Track profile

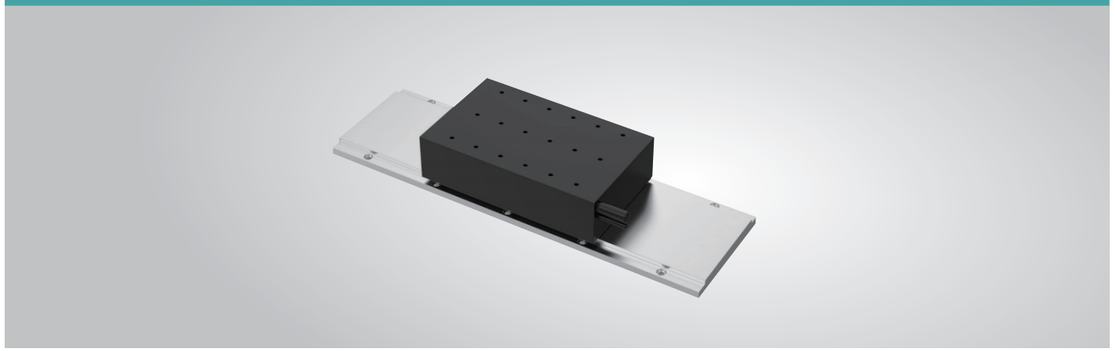


(单位:mm)	A	C	D	L	N
TMG170-168	42	84	84	168	8
TMG170-252	42	84	168	252	12
TMG170-420	42	84	336	420	20

TICG220 series with iron core

60.8mm Height

221mm width



Continuous thrust 3184N~6368N

Peak thrust 6760N~13520N

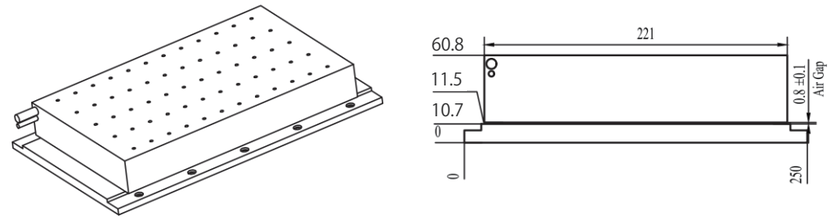
Temperature rise < 0.06°C/W

Thrust fluctuation < 2%

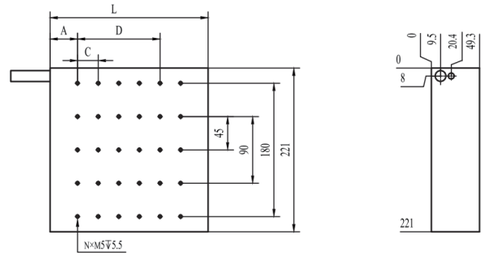
Product parameter

Motor Model	TICG220-4	TICG220-8
Winding Code	P	P
Performance Parameters		
Maximum Thrust (N)	6760	13520
Continuous Thrust (N)	3184	6368
Maximum Power (W)	20280	40560
Continuous Power (W)	9552	19104
Forward Attraction Force (N)	10400	20800
Electrical Characteristics		
Maximum Current (Arms)	29.04	58.08
Continuous Current (Arms)	9.68	19.36
Thrust Constant (N/Arms)	328.93	328.93
Back EMF (Vpeak/m/s)	270.85	270.85
Line Resistance (Ohms)	4.36	2.18
Line Inductance (mH)	132	66
Time Constant (ms)	30.28	30.28
Motor Constant (N/√W)	128.62	181.9
Maximum Coil Temperature (°C)	130	130
Maximum Terminal Voltage (VDC)	600	600
Mechanical Characteristics		
Mover Length (mm)	364	700
Mover Mass (kg)	26.5	51.6
Stator Mass (kg/m)	22.3	22.3
Magnetic Pole Pitch (mm)	42	42

Motor outline

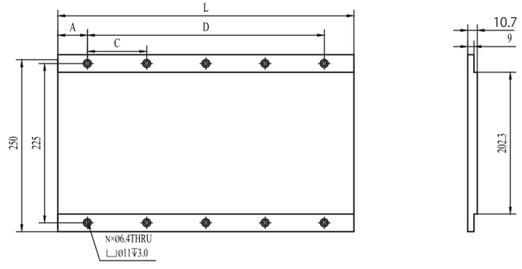


Coil profile



(单位:mm)	A	C	D	L	N
TICG220-4	28	28	308	364	60
TICG220-8	28	28	644	700	120

Track profile



(单位:mm)	A	C	D	L	N
TMG220-168	42	84	84	168	4
TMG220-252	42	84	168	252	6
TMG220-420	42	84	336	420	10

04 CORELESS LINEAR MOTOR

Intro

An iron core linear motor has a structure without a wound coil on the core, making it lightweight and free from normal attraction force. Additionally, the special double-row magnet structure eliminates cogging force. This type of motor is more suitable for applications requiring extremely high precision, stable operation, light load, and high-acceleration movement.

Advantage

1. Zero Magnetic Attraction
2. Zero Cogging Effect
3. Lightweight Coil Assembly
4. Easy to Install

Disadvantages

1. Higher Thermal Resistance
2. Longer Heat Dissipation Path with Smaller Surface Area, Low Power in Full-Load Applications, Twice the Cost Compared to Iron Core Magnet Parts

Application Industry

3C industry (Computers, Communication, Consumer electronics)
Semiconductor industry
Automotive industry
LCD panel industry
.....
New energy industry
Photovoltaic industry
Laser processing industry

TLM series
TSLM series
TIC series
TU series

TU series coreless linear motor order specifications

Coil Model:

TU A38 - 1P - 5H

Motor Type	
code	description
TU	coreless motor
TUMP	micro motor

Coil/Magnet Assembly Width	
code	description
A	65mm
B	93mm
C	125mm

coil Width	
code	description
38	38.1mm
48	48mm
- -	- - -

Coil Length	
code	description
1	61mm
2	121mm
3	181mm
4	241mm
5	301mm
6	361mm
7	481mm
8	601mm
- -	- - -

Sensor Option	
code	description
null	no sensor
H	with Hall sensor

Cable Length	
code	description
0.5	0.5m
3	3m
null	5m
- -	- - -

Winding Type	
code	description
null	S (See Parameter Table)
P	See Parameter Table
T	See Parameter Table

Magnetic Rail Model:

TUM A38 -120

Motor Type	
code	description
TU	coreless motor
TUMP	micro motor

Coil/Magnet Assembly Width	
code	description
A	65mm
B	93mm
C	125mm

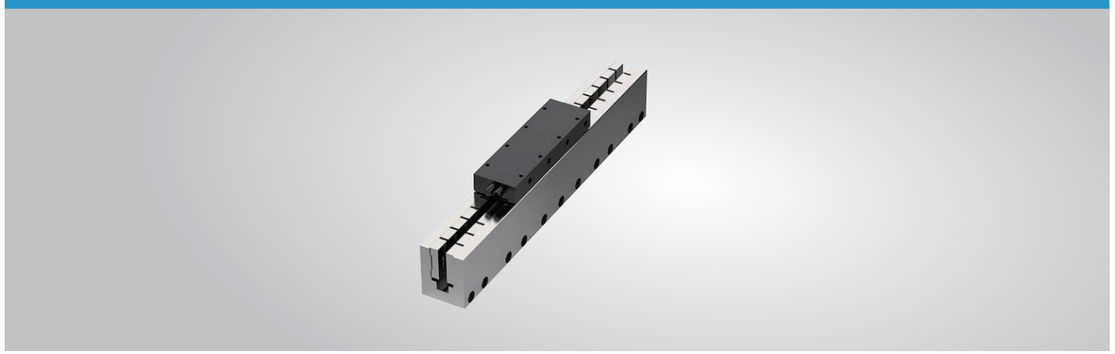
Magnetic Rail length	
code	description
120	120mm
180	180mm
240	240mm
300	300mm
- -	- - -

Coil Width	
code	description
38	38.1mm
48	48mm
- -	- - -

Coreless TUA38 series

65mm Height

38.1mm width



Continuous thrust 26N~130N

Peak thrust 144N~720N

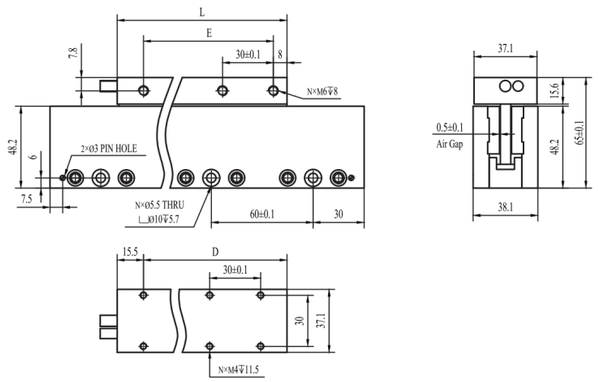
Temperature rise < 0.07°C/W

Thrust fluctuation < 0.15%

Product parameter

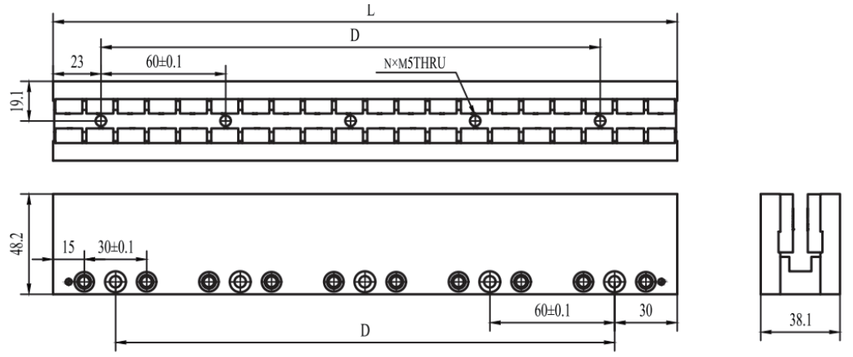
Motor Model	TUA38-1	TUA38-2	TUA38-3	TUA38-4	TUA38-5
Winding Code	S	S	S	S	S
Performance Parameters					
Maximum Thrust (N)	144	288	432	576	720
Continuous Thrust (N)	26	52	78	104	130
Maximum Power (W)	216	432	648	864	1080
Continuous Power (W)	39	78	117	156	195
Forward Attraction Force (N)	0	0	0	0	0
Electrical Characteristics					
Maximum Current (Arms)	14.3	14.3	14.3	14.3	14.3
Continuous Current (Arms)	2.54	2.54	2.54	2.54	2.54
Thrust Constant (N/Arms)	10.27	20.53	30.8	41.06	51.33
Back EMF (Vpeak/m/s)	8	16	24	32	40
Line Resistance (Ohms)	2.25	4.5	6.75	9	11.25
Line Inductance (mH)	0.53	1.07	1.59	2.14	2.66
Time Constant (ms)	0.24	0.24	0.24	0.24	0.24
Motor Constant (N/√W)	4.84	6.84	8.38	9.68	10.82
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	61	121	181	241	301
Mover Mass (kg)	0.15	0.3	0.45	0.6	0.75
Stator Mass (kg/m)	11	11	11	11	11
Magnetic Pole Pitch (mm)	30	30	30	30	30

Motor outline



(单位:mm)	D	E	L	N
TUA38-1	30	30	61	4
TUA38-2	90	90	121	8
TUA38-3	150	150	181	12
TUA38-4	210	210	241	16
TUA38-5	270	270	301	20

Track profile

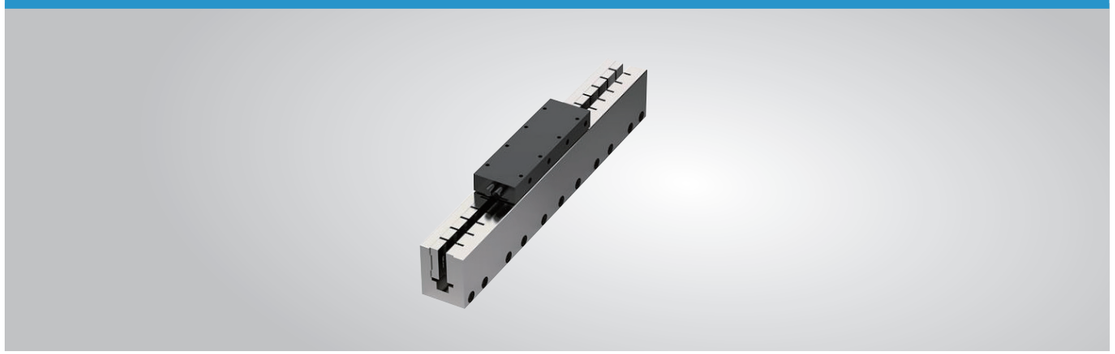


(单位:mm)	L	N	D
TUMA38-120	120	2	60
TUMA38-180	180	3	120
TUMA38-240	240	4	180
TUMA38-300	300	5	240

Coreless TUB38 series

93mm Height

38.1mm width



Continuous thrust 51N~255N

Peak thrust 288N~1440N

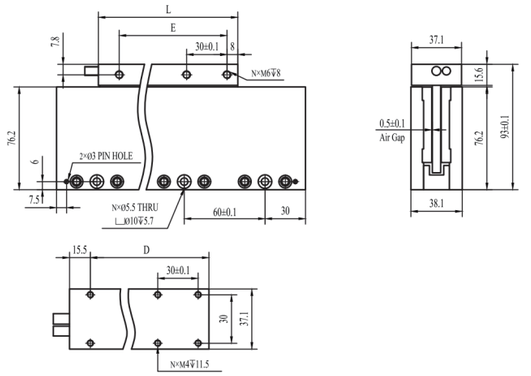
Temperature rise < 0.07°C/W

Thrust fluctuation < 0.15%

Product parameter

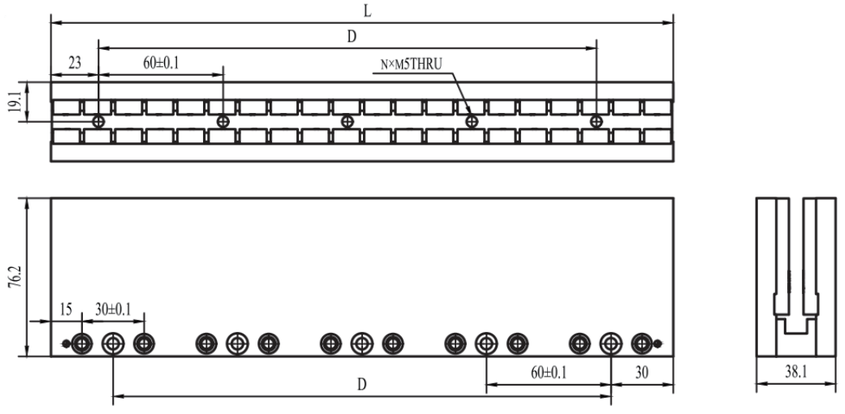
Motor Model	TUB38-1	TUB38-2	TUB38-3	TUB38-4	TUB38-5
Winding Code	S	S	S	S	S
Performance Parameters					
Maximum Thrust (N)	288	576	864	1152	1440
Continuous Thrust (N)	51	102	153	204	255
Maximum Power (W)	432	864	1296	1728	2160
Continuous Power (W)	76.5	153	229.5	306	382.5
Forward Attraction Force (N)	0	0	0	0	0
Electrical Characteristics					
Maximum Current (Arms)	14.3	14.3	14.3	14.3	14.3
Continuous Current (Arms)	2.54	2.54	2.54	2.54	2.54
Thrust Constant (N/Arms)	20.15	40.3	60.45	80.6	100.75
Back EMF (Vpeak/m/s)	16	32	48	64	80
Line Resistance (Ohms)	3.3	6.6	9.9	13.2	16.5
Line Inductance (mH)	1.07	2.14	3.21	4.28	5.35
Time Constant (ms)	0.33	0.33	0.33	0.33	0.33
Motor Constant (N/√W)	7.84	11.09	13.59	15.69	17.54
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	61	121	181	241	301
Mover Mass (kg)	0.2	0.4	0.6	0.8	1
Stator Mass (kg/m)	17.5	17.5	17.5	17.5	17.5
Magnetic Pole Pitch (mm)	30	30	30	30	30

Motor outline



(单位:mm)	D	E	L	N
TUB38-1	30	30	61	4
TUB38-2	90	90	121	8
TUB38-3	150	150	181	12
TUB38-4	210	210	241	16
TUB38-5	270	270	301	20

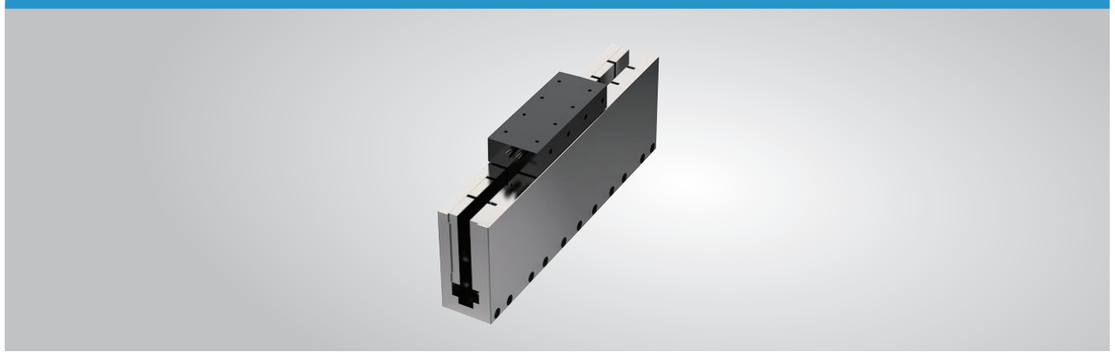
Track profile



(单位:mm)	L	N	D
TUMB38-120	120	2	60
TUMB38-180	180	3	120
TUMB38-240	240	4	180
TUMB38-300	300	5	240

Coreless TUC48 series

125mm Height
48mm width

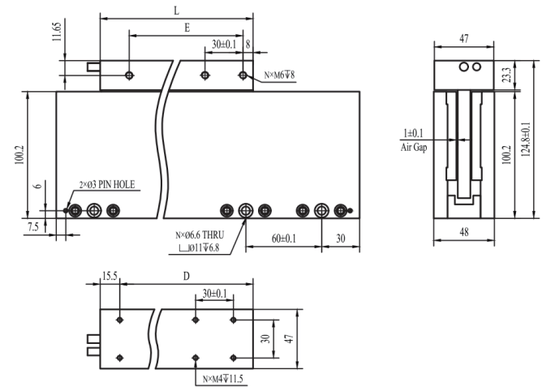


Continuous thrust 170N~722.5N
Peak thrust 850N~3612.5N
Temperature rise < 0.07°C/W
Thrust fluctuation < 0.15%

Product parameter

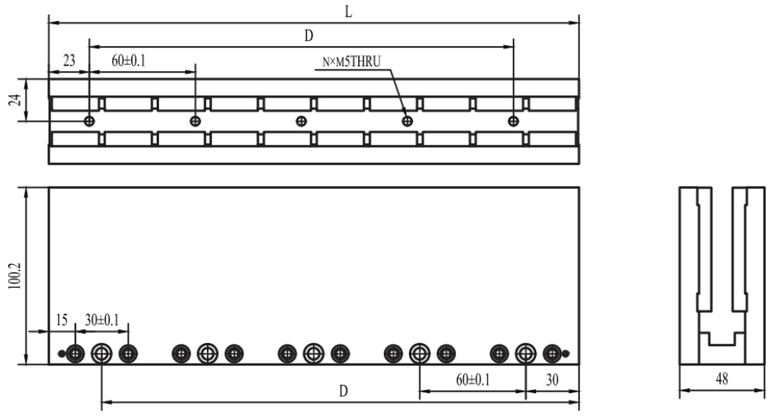
Motor Model	TUC48-1	TUC48-2	TUC48-3	TUB38-4	TUC48-5
Winding Code	S	S	S	S	S
Performance Parameters					
Maximum Thrust (N)	850	1649	2346	2992	3612.5
Continuous Thrust (N)	170	329.8	469.2	598.4	722.5
Maximum Power (W)	2550	4947	5865	5086.4	4696.3
Continuous Power (W)	510	989	1173	1017.3	939.3
Forward Attraction Force (N)	0	0	0	0	0
Electrical Characteristics					
Maximum Current (Arms)	20.7	20	18.4	18.2	17.6
Continuous Current (Arms)	4.1	4	3.7	3.6	3.5
Thrust Constant (N/Arms)	41.1	82.3	127.2	164.5	205.7
Back EMF (Vpeak/m/s)	33.4	66.8	100.2	133.6	167
Line Resistance (Ohms)	5	10	15	20	24.9
Line Inductance (mH)	5.8	11.3	17.1	23.2	29
Time Constant (ms)	1.2	1.1	1.1	1.2	1.2
Motor Constant (N/√W)	15	21.3	26.9	30.1	33.6
Maximum Coil Temperature (°C)	130	130	130	130	130
Maximum Terminal Voltage (VDC)	310	310	310	310	310
Mechanical Characteristics					
Mover Length (mm)	121	241	361	481	601
Mover Mass (kg)	0.55	0.95	1.35	1.75	2.15
Stator Mass (kg/m)	27	27	27	27	27
Magnetic Pole Pitch (mm)	60	60	60	60	60

Motor outline



(单位:mm)	D	E	L	N
TUC48-1	90	90	121	8
TUC48-2	210	210	241	16
TUC48-3	330	330	361	24
TUC48-4	450	450	481	32
TUC48-5	570	570	601	40

Track profile



(单位:mm)	L	N	D
TUMC48-120	120	2	60
TUMC48-180	180	3	120
TUMC48-240	240	4	180
TUMC48-300	300	5	240