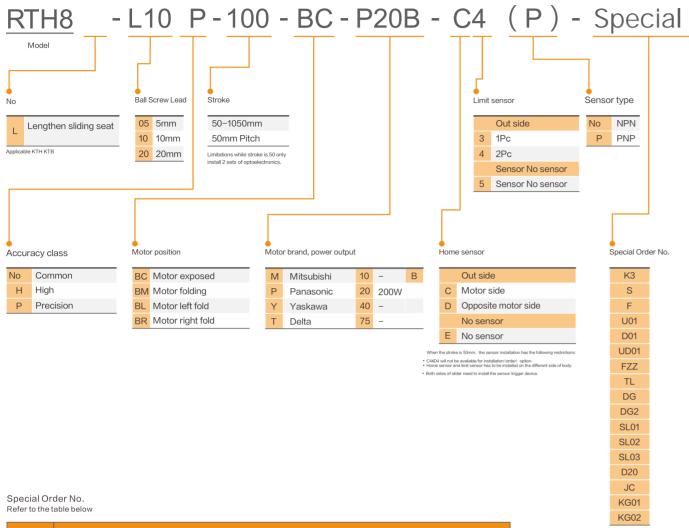
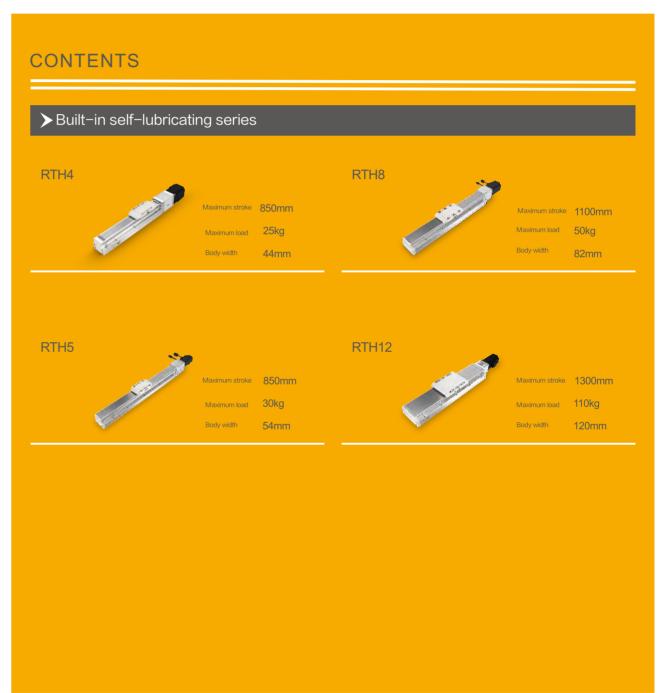
Ball Screw module specification



Name	Detailed information
K3	Module mounting with 3:1 reducer
S	Short sliding
F	Dust Cover
U01	Up installation hole customization
D01	Down installation hole customization
UD01	Both up and down installation hole customization
FZZ	Module as Auxiliary Support
TL	Drag Chain
DG	Auxiliary Guide Rail on the Outside of module
DG02	Module Internal Replacement Guide Rail
SL01	Hand Wheel
SL02	Hand Wheel, Self-locking Device
SL03	Hand Wheel, Self-locking Device, Ruler
D20	Replace 20 diameter lead screw
JC	Use of motor with keyway
KG01	Switch Mounting Plate, M2.5 Hole, Spacing 8
KG02	Long Switch Mounting Plate, Spacing 8

RTH Series

Built-in guideway / Ball screw drive



General/ nline/ Screw sample

ATH

General / Screw

.

. ...

General/

Electric cylinde sample

DMB DMB

General/Inline /Belt sample

TO

General/ Belt sample

DB KTB

General/ European/ Belt sample

crew sample

Clean/ Screw sample

KCH

Clean/

СВ

Clean/ Belt sample

General/KKT/

General/ Rack and pinion sample

R .

General/ Linear motor sample

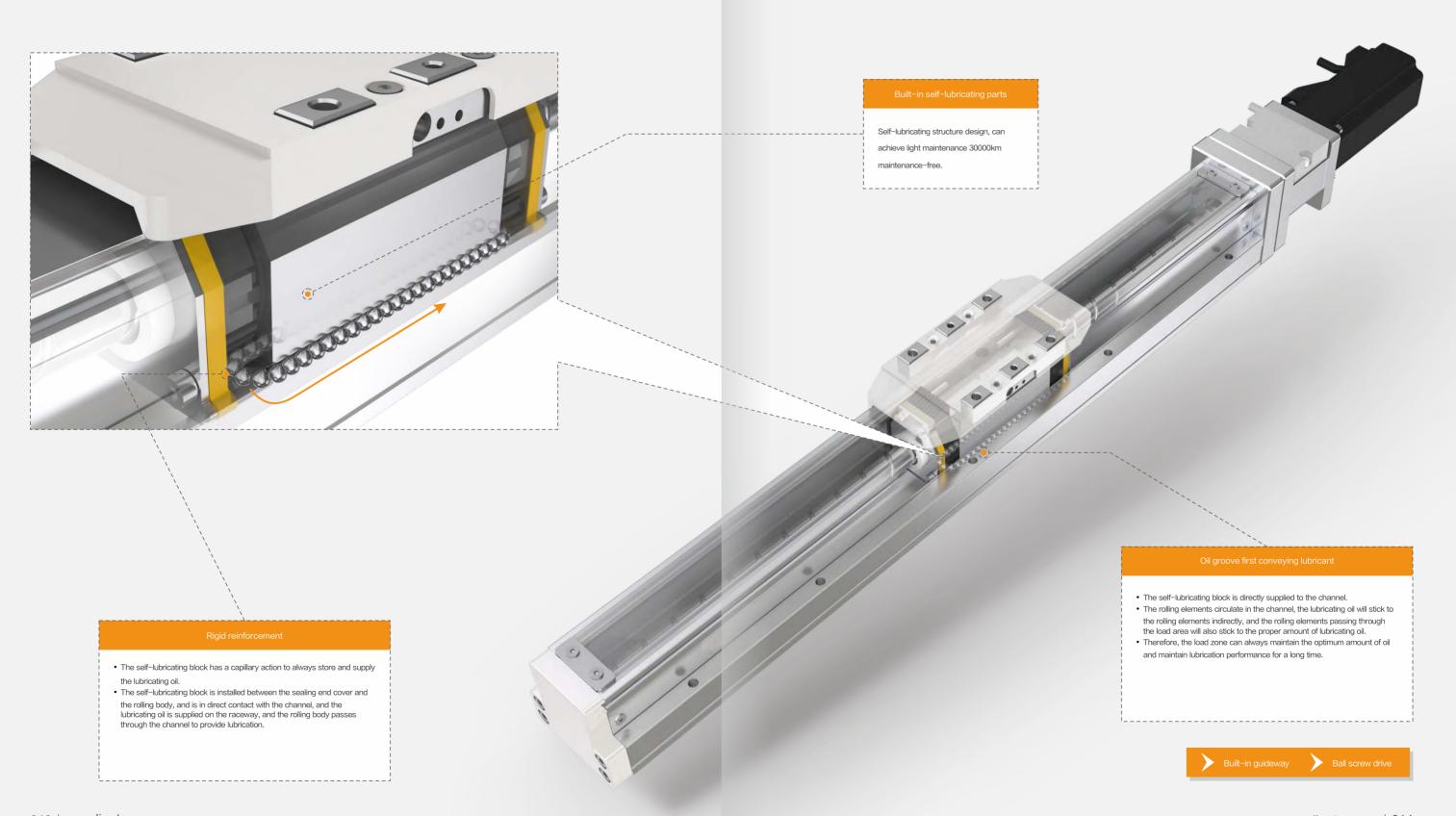
LM

Reference

RTH embedded series structure drawing



RTH embedded series self – lubricating structure drawing



Built-in self-lubricating series

RTH4

Maximum stroke 850mm

> Motor diection

Ordering method

1-axis

50mm Pitch 02 2mm BC Motor exposed M Mitsubishi 05 5mm BM Motor folding P Panasonic 10 100W 10 10mm BL Motor left fold

50-850mm

Y Yaskawa T Delta

Maximum speed 500mm/s

RTH4-L2-100-BC-P10B-C4-Special

Out side C Motor side D Opposite motor side No sensor E No sensor

This figure is for reference only, the shipping specifications are detailed in the dimension drawing.

Motor capacity 100_w

3 1Pc 4 2Pc No sensor 5 No sensor

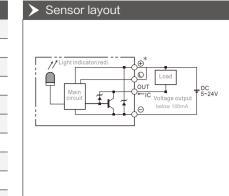
Special Order No.

Limit sensor

Out side

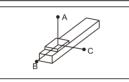
Built-in guideway Ball screw drive

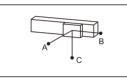
> Specification Motor power 100W Repeatability ±0.005 mm Ball screw lead 5 10 Maximum speed 100 250 500 Horizontal kg 12 Maximum payload Vertical 3.5 Rated thrust 854 170 341 Stroke pitch 50-850mm/50 pitch AC Servo motor output 100 mm C7 Ø10 Coupling 7×8 EE-SX674(NPN) Home sensor Outside

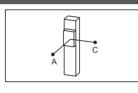


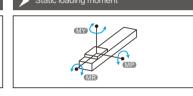
- When the stroke is over 600mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances.
- Acceleration and deacceleration value is set 0.2 second.

Allowable overhang









	((Jnit:mi	m)			(1	Jnit:m	m)				(1	Jnit:m	m
al Installation	А	В	С	Wall I	nstallation	А	В	С	V	/ertica	al Installation	Α	С	Ī
12kg	1000	55	80		12kg	80	55	1000			4kg	195	195	
18kg	750	35	50	Lead 2	18kg	50	35	750		ead 2	8kg	100	100	
25kg	500	23	32	2	25kg	32	23	500		_				
10kg	550	53	70		10kg	72	52	550			4kg	150	150	
15kg	350	32	45	Lead 5	15kg	45	32	345		ead 5	8kg	75	75	
20kg	250	22	31	5	20kg	31	22	250		5				
8kg	305	59	75		8kg	75	59	300			2kg	260	260	
10kg	240	45	57	Lead 10	10kg	45	32	240		ead 10	3.5kg	150	150	
12kg	195	37	47		12kg	31	22	250						

	(Unit:N.m)
Motor power	50W/100W
MY	79
MP	79
MR	116
gravity.	e chart indicate the center of km when the product is using under

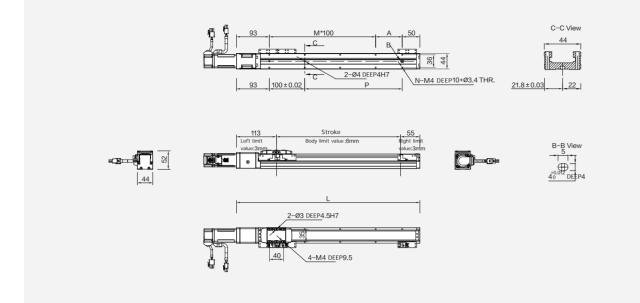
- Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount Inverse

Suitable m	notor brand					
Brand	Mark	Brake	Watt	AC-Voltage	Motor model	Driver model
Mitsubishi	M	No brake(Horizontal type)	100	220	HG-KR13	MR-J4-10A
IVIII.SUDISI II	nasonic D	With brake(Vertical type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	P	No brake(Horizontal type)	100	220	MSMD012G1U	MADHT1505
T dilasoriis	P	With brake(Vertical type)	100	220	MSMD012G1V	MADHT1505
Delta	Т	No brake(Horizontal type)	100	220	ECMA-C20401ES	ASD-B20121-B
	'	With brake(Vertical type)	100	220	ECMA-C20401FS	ASD-B20121-B

BR Motor right fold

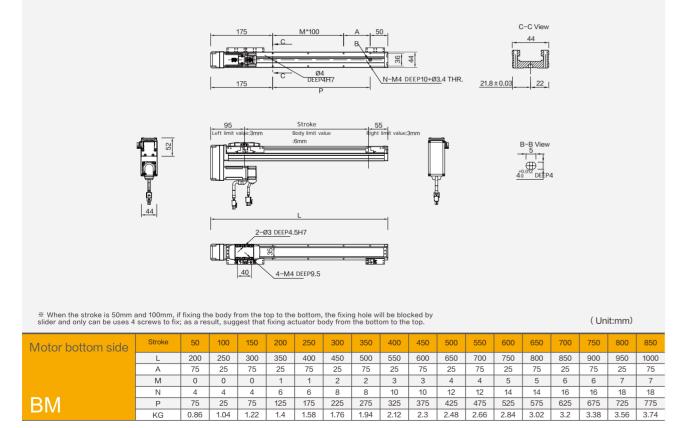
Motor exposed / Motor bottom side

(Unit:mm)



* When the stroke is 50mm and 100mm, 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.

Motor exposed	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Wieter expected	L	218	268	318	368	418	468	518	568	618	668	718	768	818	868	918	968	1018
	А	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
BC	Р	75	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
	KG	0.78	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



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

RTH4 RTH5 RTH8 RTH12

Motor left side / Motor right side

1-axis

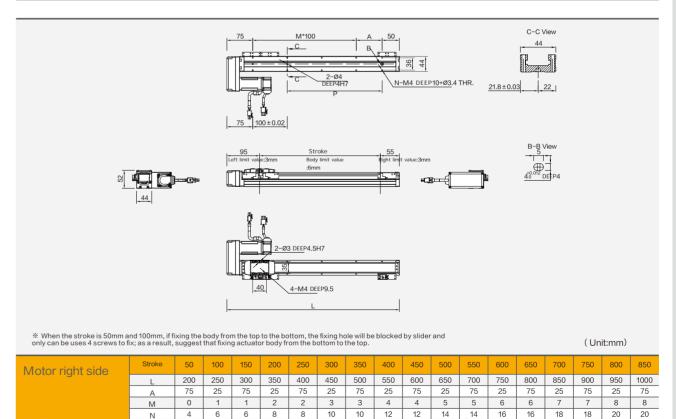
RTH4

C-C View 44 N-M4 DEEP10+Ø3.4 THR. 40 2-Ø3 DEEP4.5H7

* When the stroke is 50mm and 100mm, 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.

(Unit:mm)

Motor left side	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Wiotor left side	L	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000
	А	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
BL	Р	75	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
DL	KG	0.86	1.04	1.22	1.4	1.58	1.76	1.94	2.12	2.3	2.48	2.66	2.84	3.02	3.2	3.38	3.56	3.74



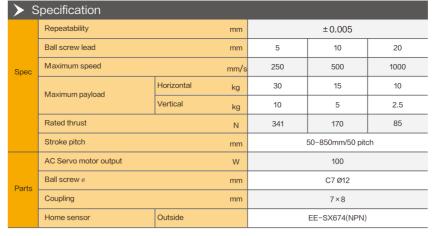
+ When motor with brake assembled on lower side, or the total length exceeds the spec limit, it may not use standard pinhole. Please contact our sales department if you need more information

75 25 75 125 175 225 275 325 375 425 475 525 575 625 675 725 775 0.86 1.04 1.22 1.4 1.58 1.76 1.94 2.12 2.3 2.48 2.66 2.84 3.02 3.2 3.38 3.56 3.74

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General/ Inline/ Screw sample

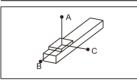




> Sensor layout

- When the stroke is over 650mm, the run-out of the ballscrew will occur. We recommend to low down the working speed under this circumstances

> Allowable overhang



10kg

10kg

15kg

370

320

650 75 100

270 19 25

32 45

70 85

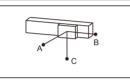
120 130

60

250 42 52

70 80

175 55



100 75

85 68

52 42 250

75 70 220

60 55

130 | 120

320

10kg

20kg

30kg

10kg

15kg

5kg

8kg

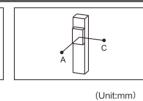
10kg

(Unit:mm)

32 420

25 | 19 | 260

145



6kg

3kg

5kg

2kg

2.5kg

145 145

260 260

600 600

250 250

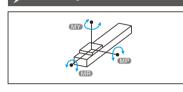
110 110

90 90

800

155 155

300

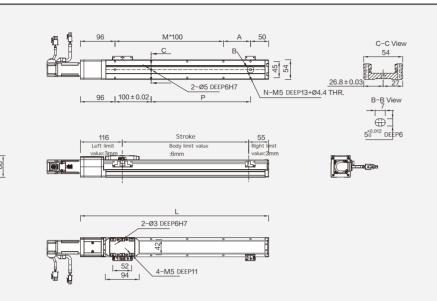


MY 103 MP 103 MR 144 The torque value in the chart indicate the center of gravity. Operation life is 10,000km when the product is using under the specified conditions.												
MR 144 The torque value in the chart indicate the center of gravity. Operation life is 10,000km when the product is using under	MY	103										
The torque value in the chart indicate the center of gravity. Operation life is 10,000km when the product is using under	MP	103										
gravity. Operation life is 10,000km when the product is using under	MR 144 The torque value in the chart indicate the center of											
	gravity. Operation life is 10,000k											

Suitable m	notor brand Mark	Brake	Watt	AC-Voltage	Motor model	Driver model
Mitsubishi	М	No brake(Horizontal type)	100	220	HG-KR13	MR-J4-10A
Mitsubishi	IVI	With brake(Vertical type)	100	220	HG-KR13B	MR-J4-10A
Panasonic	Р	No brake(Horizontal type)	100	220	MSMD012G1U	MADHT1505
Faliasofiic	P	With brake(Vertical type)	100	220	MSMD012G1V	MADHT1505
Delta	-	No brake(Horizontal type)	100	220	ECMA-C20404ES	ASD-B20121-B
Della	Т	With brake(Vertical type)	100	220	ECMA-C20404FS	ASD-B20121-B

Built-in guideway Ball screw drive

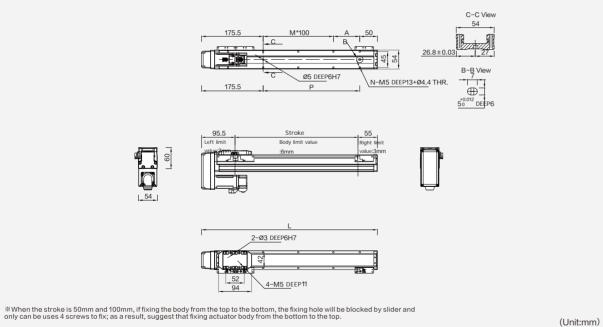
1-axis



#When the stroke is 50mm and 100mm, 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.

(Unit:mm)

Motor exposed	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Wiotor exposed	L	221	271	321	371	421	471	521	571	621	671	721	771	821	871	921	971	1021
	А	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	М	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
BC	Р	75	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
ВС	KG	1.51	1.65	1.79	1.92	2.11	2.39	2.5	2.52	2.75	2.86	2.95	3.15	3.28	3.44	3.58	3.71	4.09



Motor bottom side	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
Wieter Bettern eide	L	200.5	250.5	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
	А	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	М	0	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7
	N	4	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18
BM	Р	75	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
DIVI	KG	1.56	1.68	1.8	2.03	2.14	2.42	2.53	2.58	2.78	2.89	2.98	3.18	3.31	3.47	3.6	3.74	4.12

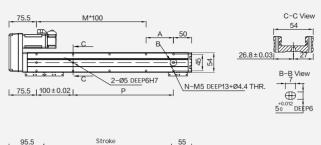
+ When motor with brake assembled on lower side, or the total length exceeds than spec limit, it may not use standard pinhole. Please contact our sales department if you need more information.

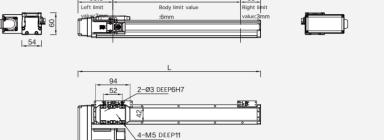
RTH4 RTH5 RTH8 RTH12

Motor left side / Motor right side

1-axis

RTH5

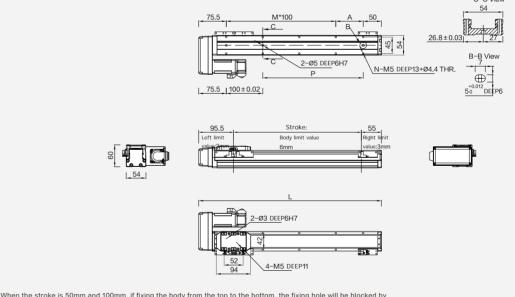




#When the stroke is 50mm and 100mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.

(Unit:mm)

Motor left side	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
IVIOLOI lett side	L	200.5	250.5	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
	Α	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
BL	Р	75	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
	KG	1.56	1.68	1.8	2.03	2.14	2.42	2.53	2.58	2.78	2.89	2.98	3.18	3.31	3.47	3.6	3.74	4.12



** When the stroke is 50mm and 100mm, 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.

(Unit:mm)

																-		
Motor right side	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850
motor right of a s	L	200.5	250.5	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
	А	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
	M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
BR	Р	75	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
	KG	1.56	1.68	1.8	2.03	2.14	2.42	2.53	2.58	2.78	2.89	2.98	3.18	3.31	3.47	3.6	3.74	4.12

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

General/ Inline/ Screw sample

Built-in self-lubricating series

RTH8

1-axis

05 5mm BC Motor exposed 10 10mm BM Motor folding 20 20mm

Model

Maximum stroke 1100mm

Motor diection

Ordering method

BL Motor left fold BR Motor right fold

T Delta

M Mitsubishi P Panasonic 10 -Y Yaskawa 20 200W

50-1100mm 50mm Pitch Limitations while stroke is 50 only install 2 sets of optoelectronics.

Maximum speed 1000mm/s

D Opposite motor side No sensor E No sensor

RTH8-L5-100-BC-P20B-C4-Special

5 No sensor

Out side

C Motor side

Built-in guideway Ball screw drive

This figure is for reference only, the shipping specifications are detailed in the dimension drawing.

Ball screw Ø16_{mm}

Special Order No.

Limit sensor

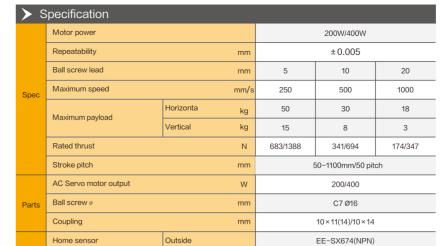
3 1Pc

4 2Pc

Out side

No sensor

Motor capacity 200_w



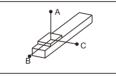
> Sensor layout

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.

Acceleration and deacceleration value is set 0.2 second.

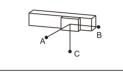
Motor(200W)Shaft Diameter:Panasonic:@11mm:Other:@14mr

> Allowable overhang

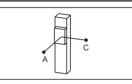


9kg 800/800 263/263 323/323

18kg 592/592 194/194 238/238



9kg 292/292 263/263 277/277 18kg 214/214 194/194 544/544



•	
WR .	

> Static loading moment

(Unit:mm) (Unit:mm) (Unit:mm) ВС 20kg 1560/1560 153/153 237/237 20kg 214/214 153/153 1435/1435 10kg 331/331 331/331 ead 35kg 890/890 81/81 126/126 ead 35kg 113/113 81/81 845/845 15kg 220/220 220/220 50kg 550/550 53/53 82/82 50kg 74/74 53/53 506/506 10kg 370/370 286/286 1400/1400 5kg 589/589 589/589 10kg 1730/1730 286/286 412/412 8kg 368/368 368/368 ead 20kg 839/839 136/136 196/196 ead 20kg 176/176 136/136 800/800 30kg 541/541 86/86 124/124 30kg 112/112 86/86 495/495 6kg 1213/1213 403/403 493/493 6kg 444/444 403/403 760/760 3kg 935/935 935/935

	(Unit:N.m)
Motor power	200W/400W
MY	318/318
MP	318/318
MR	626/626

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.

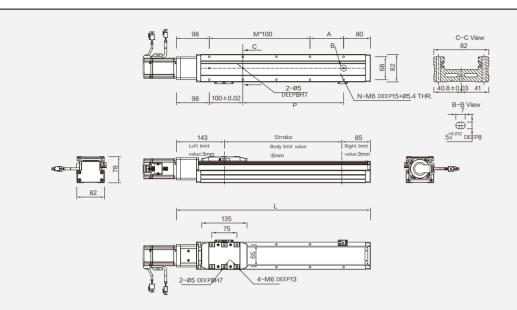
Data information is not for ceiling-mount inverse use. Contact us for the details if you want to apply ceiling-mount Inverse

> Suitable	motor bran	d				
Brand	Mark	Brake	Watt	AC-Voltage	Motor model	Driver model
Mitsubishi	M	No brake(Horizontal type)	200/400	220	HG-KR23/HG-KR43	MR-J4-20A/MR-J4-40A
WITGUDISTII	IVI	With brake(Vertical type)	200/400	220	HG-KR23B/HG-KR43B	MR-J4-20A/MR-J4-40A
Panasonic	Р	No brake(Horizontal type)	200/400	220	MHMD022P1S/ MHMD042G1U	MADHT1207/MBDHT2510
Tanassins	P	With brake(Vertical type)	200/400	220	MHMD022P1T/MHMD042G1V	MADHT1207/MBDHT2510
Delta	т.	No brake(Horizontal type)	200/400	220	ECMA-C20602ES/ECMA-C20604ES	ASD-B20221-B/ASD-B20421-B
	,	With brake(Vertical type)	200/400	220	ECMA-C20602FS/ECMA-C20604FS	ASD-B20221-B/ASD-B20421-B

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Built-in guideway Ball screw drive

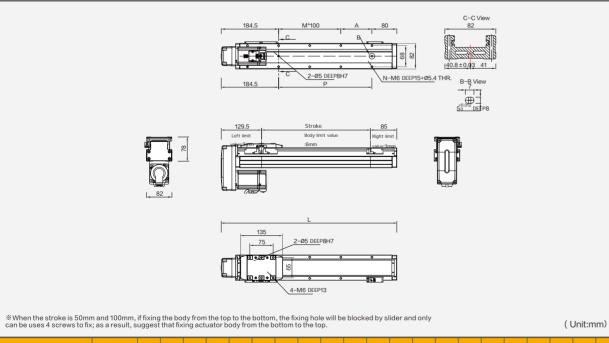
Motor exposed / Motor bottom side 1-axis



**When the stroke is 50mm and 100mm, 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.

(Unit:mm)

Moto	or exposed	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
111000	οι σχροσσα ι	L	278	328	378	428	478	528	578	628	678	728	778	828	878	928	978	1028	1078	1128	1178	1228	1278	1328
		А	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
		М	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
		N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
BC	•	Р	100	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
		KG	3.60	3.95	4.30	4.65	5.00	5.35	5.70	6.05	6.40	6.75	7.10	7.45	7.80	8.15	8.50	8.85	9.20	9.55	9.90	10.25	10.60	10.95



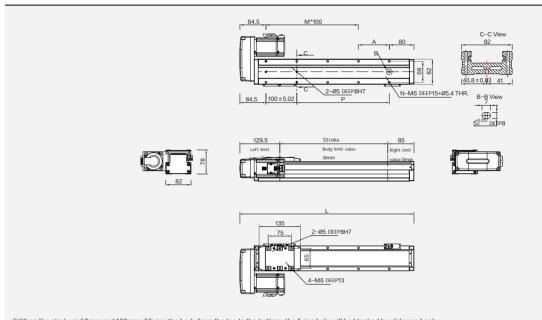
Motor bottom	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
side	L	264.5	314.5	364.5	414.5	464.5	514.5	564.5	614.5	664.5	714.5	764.5	814.5	864.5	914.5	964.5	1014.5	1064.5	1114.5	1164.5	1214.5	1264.5	1314.5
	А	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
	М	0	0	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10
	N	4	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24
BM	Р	100	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
DIVI	KG	3.80	4.15	4.50	4.85	5.20	5.55	5.90	6.25	6.60	6.95	7.30	7.65	8.00	8.35	8.70	9.05	9.40	9.75	10.10	10.45	10.80	11.15

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

RTH4 RTH5 RTH8 RTH12

Motor left side / Motor right side

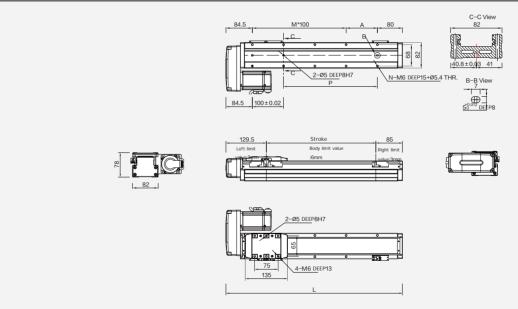
1-axis



*When the stroke is 50mm and 100mm, 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.

(Unit:mm)

Motor left side	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
	L	264.5	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
	Α	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
	M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
RI	Р	100	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
	KG	3.80	4.15	4.50	4.85	5.20	5.55	5.90	6.25	6.60	6.95	7.30	7.65	8.00	8.35	8.70	9.05	9.40	9.75	10.10	10.45	10.80	11.15



* When the stroke is 50mm and 100mm, 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.

(Unit:mm)

Motor right	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100
side	L	264.5	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
	А	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50
	M	0	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8	9	9	10	10	11
	N	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	24	26
BR	Р	100	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050
	KG	3.80	4.15	4.50	4.85	5.20	5.55	5.90	6.25	6.60	6.95	7.30	7.65	8.00	8.35	8.70	9.05	9.40	9.75	10.10	10.45	10.80	11.15

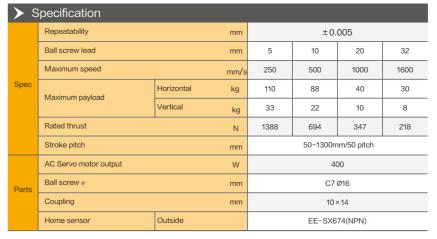
+ When motor with brake assembled on lower side, or the total length exceeds the spec limit, it may not use standard pinhole. Please contact our sales department if you need more information.

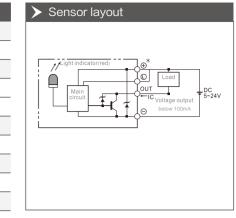
051 | www.lim-tec.com www.lim-tec.com | 052

General/ Inline/ Screw sample









- b 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
- Acceleration and deacceleration value is set 0.2 second.

Motor(200W) Shaft Diameter:Panasonic:Ø11mm;Other:Ø14mm

Allowable overhang

60kg

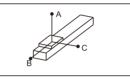
80kg

50kg

88ka

22kg

40ka



890 550

1730 286

839

541

592

1560 153 237

126

124

53 82

136 196

86

1213 403 493

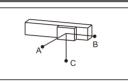
264 323

1100 | 570 | 550

620 330 320

520 270

194 238



55kg

75kg

110kg

55kg

88kg

20kg

40kg

30kg

(Unit:mm)

280 280 3300

200 195 2400

130 | 125 | 1550

400 410 2500

245 250 1550

150 | 150 | 950

900 1070 3000

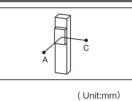
260 300 900

210 270 520

1050

550 630

440 570



15kg

22kg

14kg

22kg

8kg

1200 | 1200

550 550

1600 1600

1150 1150

730 730

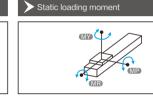
1800 | 1800

1250 | 1250

1600 | 1600

1000 1000

820



	(Unit:N.m)
MY	606
MP	606
MR	1168
	e chart indicate the center of gravit Okm when the product is using unde
Data information is not t us for the details if you wa	for ceiling-mount inverse use. Contact ant to apply ceiling-mount Inverse

> 2 " ! !						
Suitable m	otor brand					
Brand	Mark	Brake	Watt	AC-Voltage	Motor model	Driver model
Mitsubishi	M	No brake(Horizontal type)	400	220	HG-KR43	MR-J4-40A
	IVI	With brake(Vertical type)	400	220	HG-KR43B	MR-J4-40A
Panasonic	Р	No brake(Horizontal type)	400	220	MHMD042G1U	MBDHT2510
	P	With brake(Vertical type)	400	220	MHMD042G1V	MBDHT2510
Delta	Т	No brake(Horizontal type)	400	220	ECMA-C20604ES	ASD-B20421-B
	,	With brake(Vertical type)	400	220	ECMA-C20604FS	ASD-B20421-B

Motor exposed / Motor bottom side

Built-in guideway Ball screw drive

1-axis

Motor left side / Motor right side

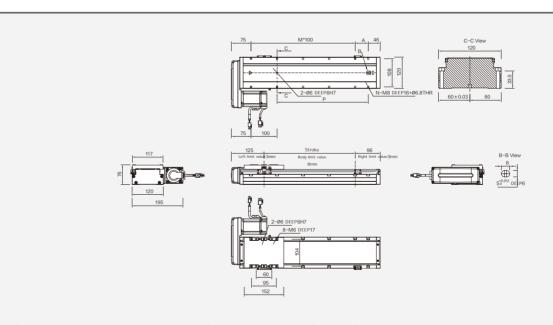
RTH4 RTH5 RTH8 RTH12

1-axis RTH12

#When the stroke is 50mm and 100mm, 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.

(Unit:mm)

Motor left 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	271	321	371	421	471	521	571	621	671	721	771	821	871	921	971	1021	1071	1121	1171	1221	1271	1321	1371	1421	1471	1521
	Α	50	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	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	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
RI	Р	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
	KG	5.25	5.60	5.95	6.30	6.65	7.00	7.35	7.70	8.05	8.40	8.75	9.10	9.45	9.80	10.15	10.85	11.20	11.55	11.90	12.25	12.60	12.56	12.91	13.26	13.61	13.96

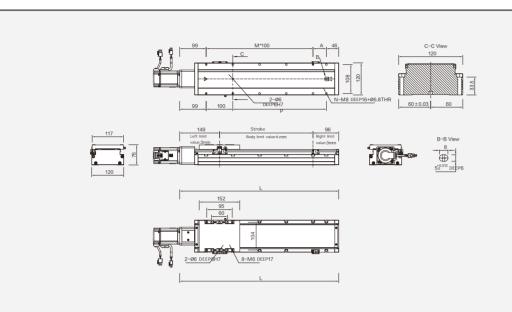


**When the stroke is 50mm and 100mm, if fixing the body from the top to the bottom, the fixing hole will be blocked by slider and only can be uses 4 screws to fix; as a result, suggest that fixing actuator body from the bottom to the top.

(Unit:mm)

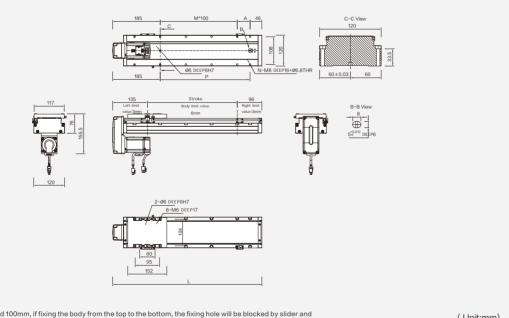
Motor right	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
side	L	271	321	371	421	471	521	571	621	671	721	771	821	871	921	971	1021	1071	1121	1171	1221	1271	1321	1371	1421	1471	1521
	Α	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	M	1	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	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
BR	Р	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
DIX	KG	5.25	5.60	5.95	6.30	6.65	7.00	7.35	7.70	8.05	8.40	8.75	9.10	9.45	9.80	10.15	10.85	11.20	11.55	11.90	12.25	12.60	12.56	12.91	13.26	13.61	13.96

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



(Unit:mm)

Motor exposed	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	295	345	395	445	495	545	595	645	695	745	795	845	895	945	995	1045	1095	1145	1195	1245	1295	1345	1395	1445	1495	1545
	Α	50	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
	М	1	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	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
BC	Р	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
	KG	5.05	5.40	5.75	6.10	6.45	6.80	7.15	7.50	7.85	8.20	8.55	8.90	9.25	9.60	9.95	10.30	10.65	11.00	11.35	11.70	12.05	12.40	12.75	13.10	13.45	13.80



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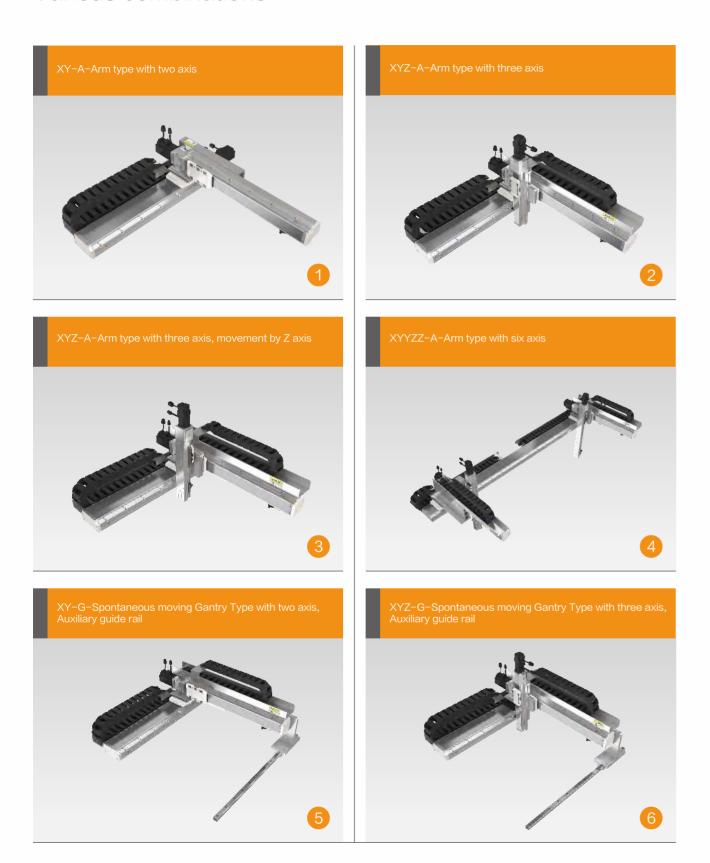
(Unit:mm)

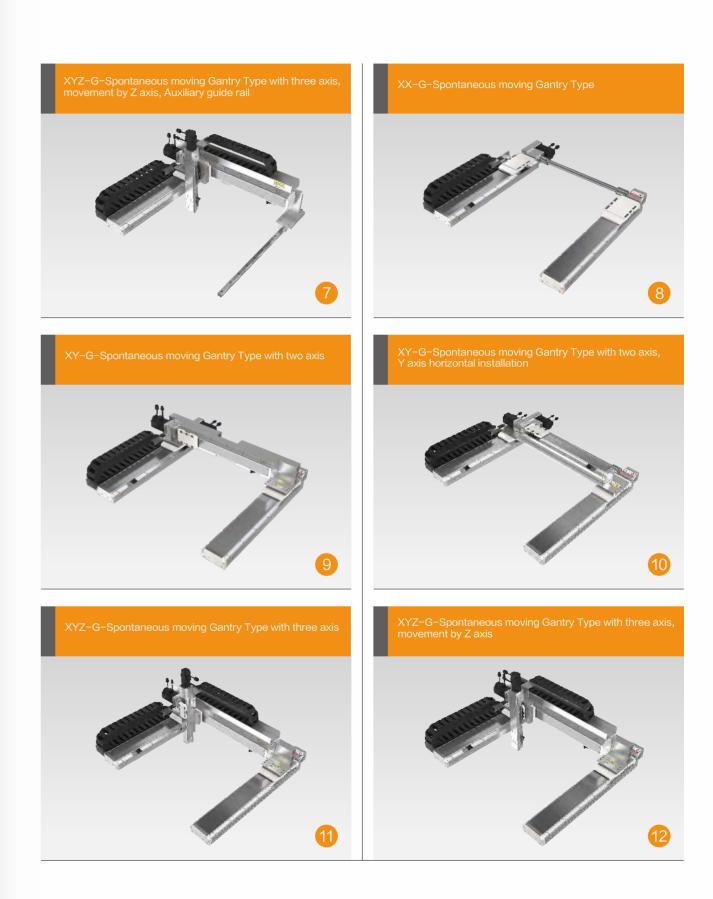
Motor bottom	Stroke	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800	850	900	950	1000	1050	1100	1150	1200	1250	1300
side	L	281	331	381	431	481	531	581	631	681	731	781	831	881	931	981	1031	1081	1131	1181	1231	1281	1331	1381	1431	1481	1531
	А	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100	50	100
	М	0	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	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
BM	Р	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
DIVI	KG	5.25	5.60	5.95	6.30	6.65	7.00	7.35	7.70	8.05	8.40	8.75	9.10	9.45	9.80	10.15	10.85	11.20	11.55	11.90	12.25	12.60	12.56	12.91	13.26	13.61	13.96

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

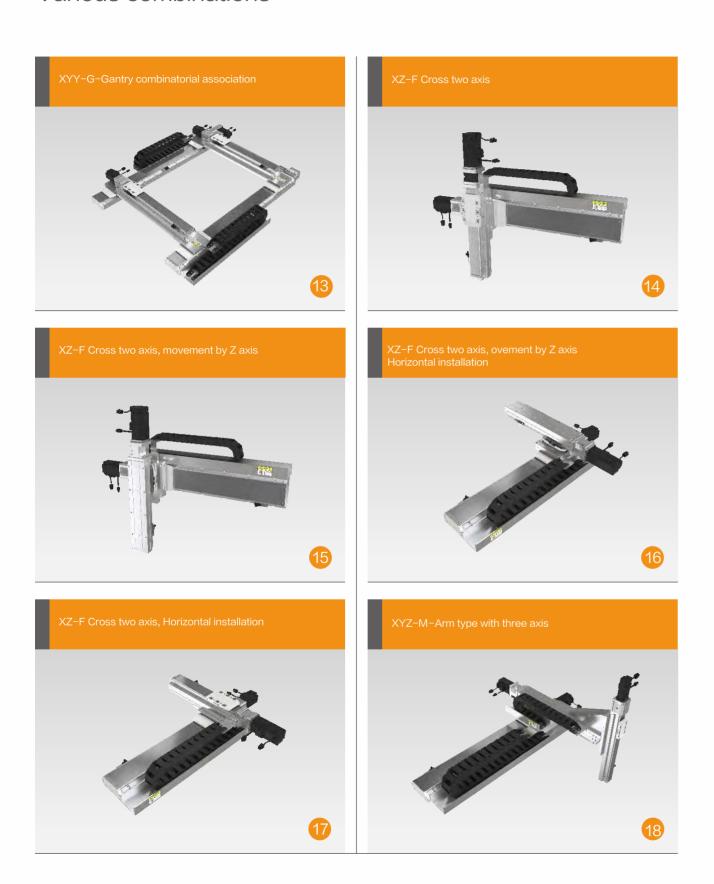
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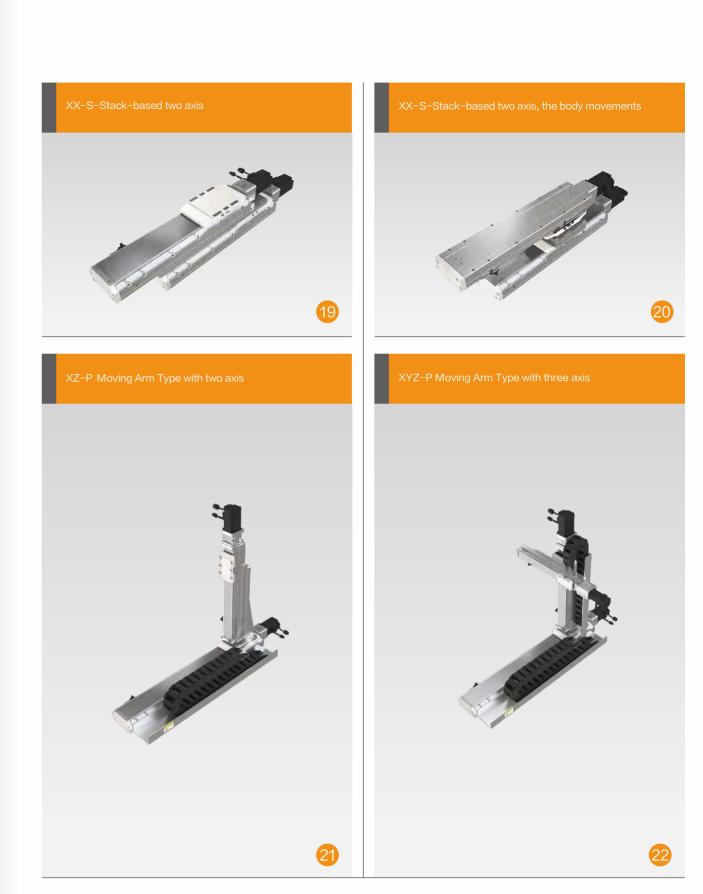
Various combinations





Various combinations





Motor mounting size

Motor mounting size	PODAS LANGUAGE STATE OF THE POPULATION OF THE PO	\$ PCD10 1 30 30 30 30 30 30 30 30 30 30 30 30 30	PCD70 HOS 00 3	20090 A STATE OF THE STATE OF T	31 24 24 E E E E E E E E E E E E E E E E E	69.6
Motor size	□38	□60	□60	□ 80	□ 42.3	□ 86
Shaft diameter	Ø8	Ø11	Ø14	Ø19	Ø5	Ø14
Capacity w	100W	200W	400W	750W	42 Stepping motor	86 Stepping motor
Flange code	А	С	E	G	I	К
Motor mounting size	PCOPA6 25 25 25 2.5	7H080 7H080 30	A5 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	ASS ASS COROS ASS ASS ASS ASS ASS ASS ASS ASS ASS A	47.14 47.14 1.6	69.6
Motor size	□40	□60	□60	□ 80	□ 56.4	□ 86
Shaft diameter	Ø8	Ø14	Ø14	Ø19	Ø8	Ø12.7
Capacity w	100W	200W	400W	750W	57 Stepping motor	86 Stepping motor

Note: This table is for reference only, subject to actual size.



RTH8

RTH12

Maximum stroke 1100mm

Maximum load 50kg

Maximum load 110kg

120mm



KTH Series





KKT Series



GR Series





KTB14M

Maximum stroke 3050mm

25kg

General belt series



KTB22M

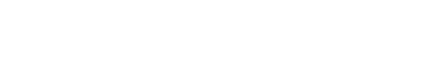
Maximum load 85kg

Body width 220mm











	European bel	t series							
	MI	B65		M	B80		ME	3110	
		Maximum stroke	5500mm		Maximum stroke	5500mm		Maximum stroke	5500mm
		Maximum load	60kg		Maximum load	100kg		Maximum load	200kg
Control of the Contro		Body width	65mm		Body width	80mm		Body width	110mm

KTB17M

Maximum stroke 3050mm

Maximum load 45kg

Body width 170mm

Simple Selection Table-Single Axis Series





Model Specification		KTH13	KTI	H14	KTI	H17	KTH22	KTI	H27		
Motor Output (W)		200/400	200	400	400 750		750	750	1000		
Repeatability (mm)		±0.005	± 0.	005	± 0.005		± 0.005		±0.005	± 0.005	
Ball Screw Lead (mm)		5/10/20/32	5/10/	20/32	5/10/2	20/40	5/10/25/32	5/10/20/32		10/25/32 5/10/20/32	
Maximum speed (mm/s	;)	250/500/1000/1600	250/500/	1000/1600	250/500/1	000/2000	250/500/1250/1600	250/500/1000/1600			
Maximum payload (kg)	Horizontal	70/47/24/13	95/75/35/15	110/88/40/30	120/110/75/22	120/120/83/43	150/150/105/60	250/200/100/50	350/300/200/100		
Waximam payroad (kg/	Vertical	17/12/6/-	27/18/7/-	33/22/10/8	40/30/14/7	50/40/25/12	55/45/20/20	100/80/40/20	140/120/80/40		
Stroke (mm)		50-1050	50-1050		50-1250		50-1500	100-1500			



Model Specification	Model Specification		RTB8	RTB12	RTB15	
		RTB5	KIDO	KIDIZ	KIDIS	
Motor Output (W)		100	200	200	400	
Repeatability (mm)		± 0.04	± 0.04	±0.04	±0.04	
Ball Screw Lead (mm)		30/60	33/66	36/72	42/84	
Maximum speed (mm/s	5)	1500/3000	1650/3300	1800/3600	2100/4200	
Maximum payload (kg)	Horizontal	5	15	25	45	
, , , , ,	Vertical	-	-	-	-	
Stroke (mm)		50-850	50-1750	50-1750	50-1750	

Simple Selection Table-Single Axis Series

50-850



50-1750

50-1750

50-1750

КС	B Dust-free	e belt series		Ma	KKT KKT系列 KKT series				
	KCB14	4	KCB17	KCB22	KKT50	KKT60	KKT86		
Model	Specification			KCB14	KCB17		KCB22		
Motor	Output (W)			200	400		750		
Repea	tability (mm)			±0.04	±0.04		±0.04		
Ball Sc	crew Lead (mm)			40	40		40		
Maxim	num speed (mm/s	s)		2000	2000		2000		
Mavim	num payload (kg)	Horizontal		25	45		85		
IVIAAIIII	iuiii payloau (kg)	Vertical		-	-		-		
Stroke	e (mm)			50-3050	50-3050		50-3400		
Model	Specification			KKT50	KKT60		KKT86		
Motor	Output (W)			100	100		100/200		
Repea	tability (mm)			± 0.01	± 0.01		±0.01		
Ball Sc	crew Lead (mm)			2	5/10		10/20		
Maxim	num speed (mm/s	s)		270	390/790		520/1050		
	Dynamic load rating	(N)		1813	3377/2107		6429/4175		
load	Rated static load(N	N)		2910	5625/3234		11387/6889		
	n (mm)			150/200/250/300	150/200/300/400/500/6	00	340/440/540/640/740/940		

GR Rack an	nd pinion serie:	3			L	M Linear	motor serie	es				
ODM		ODE							11470		Mode	
GR14		GR17	GR	22		LM80	J	LM140	LM170	ı	_M210	
Model Specification			GR14			GF	R17			GR22		
Motor Output (W)			400			7:	50		750			
Repeatability (mm)			±0.04				.04		±0.04			
Gearbox Ratio			3:1/5:1/7:1/10:1				7:1/10:1		3:1/5:1/7:1/10:1			
Gear lead (mm)		33.	.32/19.99/14.2	28/10.00		48.87/29.32	/20.94/14.66		48.87/2	9.32/20.94/14	1.66	
Maximum speed (m	n/s)		1665/1000/715/500				3/1047/733		1633	3/966/700/486	;	
Maximum payload (Horizontal		30/40/64/88				83/102		43	/105/128/150		
waxiiiuiii payloau (Vertical		8/10/18/22				25/33		1	2/20/33/45		
Stroke (mm)			1000-3500				-3500		1000-3500			
Model Specification		LM80		LM140			LM170			LM210		
Standard thrust		82	81	152	218	122	230	330	161	302	435	
Repeatability (mm)		MG±0.005 /RG±0.003	MG ±	0.005/RG±0.	003	MG ±	0.005/RG±0.	003	MG ±	0.005/RG±0.	003	
Maximum speed (m	n/s)	4000		3000			3000			3000		
Continuous	thrust (N)	82	81	152	218	233	230	330	161	302	435	
Thrust Peak thrust	(N)	256.7	265	534	791	417	840	1241	568	1146	1700	
Stroke (mm)		100-1900	72-3816	82-3730	96-3648	72-5832	85-5746	96-5664	72-3816	82-3730	96-3648	



Feb.25,2016 Lim-tec successfully landed on NEEQ with the code 836388, leading the new height of linear motion development in China.

Ever since 2005, Joint Venture Enterprise Lim-tec (Beijing) Transmission Equipment Co.,Ltd was set up by Limtec Group and Beijing Reloh International Trade Co., Ltd to introduce European most advanced linear motion technology and the concept of modular combination design, guide the new direction of development for domestic screw jack, electric actuator and slide industry.

Based in Beijing China, we have more than 10 offices distributed throughout the country to provide high-quality products, full range of technical support and prompt after-sales service at home and abroad. Up to now, there were more than 100000 sets of products successful used in automobile equipment, automation assembly, metallurgical industry, aerospace industry, port machinery and other industries.

Established automation assembly department in the year of 2008,Lim-tec has researched and developed six-DOF platform,servo pressure system, simulator and some other non-standard automation equipment.

With the gradual popularization of industry strategy 4.0 and the development of industry 5.0, green and sustainable products lead the tread in society. As the essential components supplier for industry automation robot, Lim-tec products will get considerable development. It's just a starting for Lim-tec second take-off on NEEQ, 80 millions RMB have been re-invested to bring in advanced processing equipment and expand production capacity to more than 50 thousand sets per year, to build Lim-tec the world's most competitive and professional linear actuator/screw jack/servo actuator /electric slide manufacturing base.



www.lim-tec.com