

## FTH LINEAR GUIDE



### HIGH PRECISION HIGH RIGIDITY

FTH module can easily meet the requirements of high-precision use, stable operation, and repeated positioning accuracy of  $\pm 0.01\text{mm}$ . It perfectly responds to the needs of all automation markets. It is widely used in the industry and popularized in the global market.

#### TECHNICAL FEATURES

##### OPTIONAL ACCESSORIES

Power supply, drive, limit switch, controller, connection board, drag chain

##### APPLICATION AREA

Application range: laser cutting machine, PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrial automatic production line, kinds of precision machinery processing

##### INDUSTRY

Semiconductor device, LED online device, solar equipment, FPD equipment



**FTH10 LINEAR MODULE**  
»» P61



**FTH12 LINEAR MODULE**  
»» P65



**FTH14 LINEAR MODULE**  
»» P69



**FTH17 LINEAR MODULE**  
»» P73

FTH10 LINEAR GUIDE

Single rail



More parameters please contact us

[mm]  
Position Accuracy  
±0.02

[mm]  
Effective Stroke  
50~1050

[kg]  
Max Vertical Loading  
15

[kg]  
Max Horizontal Loadings  
50

FTH10-ORDERING METHOD

FTH10	C7	L	05	100	BC	T40	S	
FTH cover plate ball screw linear guide		Transmission material category		Motor position			Servo motor	
Model	Wide(mm)	L	standard ball screw		Screw Slider			Panasonic 40-400W
FTH10	102	Screw rod accuracy		M Motor hidden in			Yaskawa	
Lead		Screw Slider		BC Motor Exposed			Delta	
Screw module		C7		BL Motor Left Side			Mitsubishi	
05	05mm	Effective Stroke		BR Motor Right Side			Stepping motor	
10	10mm	FTH10 50~1050		BD Motor Down Side			B60 60X102	
20	20mm						brake	
							Extra Enquiry If Need Brake	

FTH10-COLLOCATION LIST

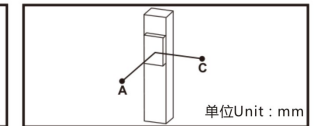
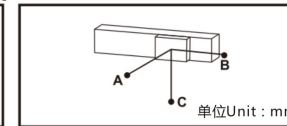
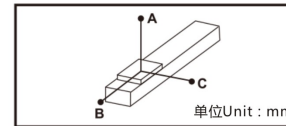
Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A FMC4030	SPX303Z(NPN-NO)

FTH10-TECHNICAL PARAMETER

TECHNICAL PARAMETER

[mm] Position Accuracy	±0.02		
Guide Type	W20xH15.5		
Ball Screw Type	16		
(mm) Lead	5	10	20
[mm/s] Max Speed	250	500	1000
[kg] Horizontal Rated Load	50	30	20
[kg] Vertical Rated Load	15	10	5
[dB] Rated Load Noise	70-80		
[mm/s] Accelerated Speed	500		
[°C] Storage temperature	-15°C—+60°C		

FTH10-ALLOWABLE LOAD TORQUE

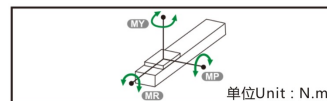


Horizontal installation	A	B	C
5 Stroke	30kg	550	45 45
	40kg	400	30 30
	50kg	300	25 24
10 Stroke	15kg	530	85 80
	25kg	300	50 45
	30kg	250	40 35
20 Stroke	5kg	530	85 80
	10kg	300	50 45
	20kg	160	35 30

Wall installation	A	B	C
5 Stroke	25kg	52	55 670
	35kg	35	35 455
	50kg	21	25 770
10 Stroke	10kg	125	135 770
	20kg	58	61 385
	30kg	160	185 565
20 Stroke	6kg	160	185 565
	12kg	76	88 275
	20kg	45	50 160

Vertical installation	A	C
5 Stroke	5kg	310 310
	8kg	200 200
	15kg	110 110
10 Stroke	4kg	350 350
	10kg	140 140
20 Stroke	2kg	550 550
	5kg	220 220

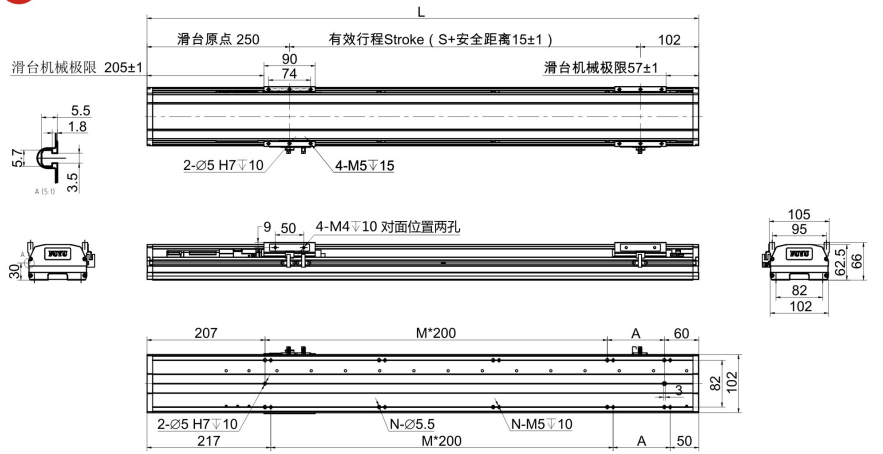
FTH10-STATIC LOADING MOMENT



MY	110
MP	110
MR	120

The data represented by the moment represent the center of gravity

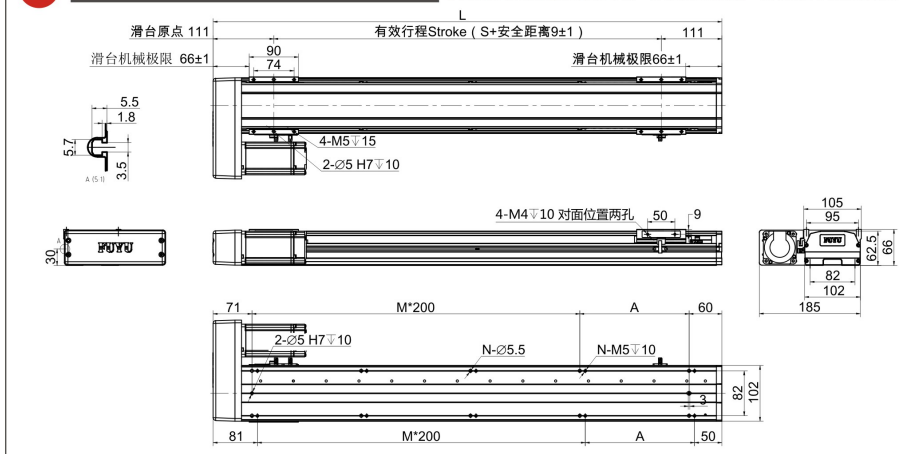
**M MOTOR HIDDEN IN** A: 尾部相邻孔间距 A: Distance between adjacent holes in tail M: 阵列数 M: Number of arrays N: 安装孔个数 N: Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	467	517	567	617	667	717	767	817	867	967	1067	1167	1267	1367	1417
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

注:图中参考电机为台达400W,仅供参考 Note: the motor marked in the figure is delta 400W, for reference only

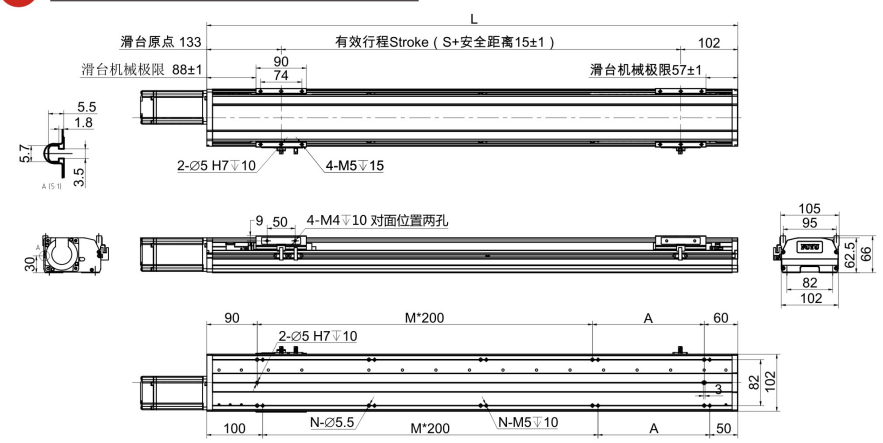
**BLR MOTOR LEFT AND RIGHT SIDE** A: 尾部相邻孔间距 A: Distance between adjacent holes in tail M: 阵列数 M: Number of arrays N: 安装孔个数 N: Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	331	381	431	481	531	581	631	681	731	831	931	1031	1131	1231	1281
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

注:图中参考电机为台达400W,仅供参考 Note: the motor marked in the figure is delta 400W, for reference only

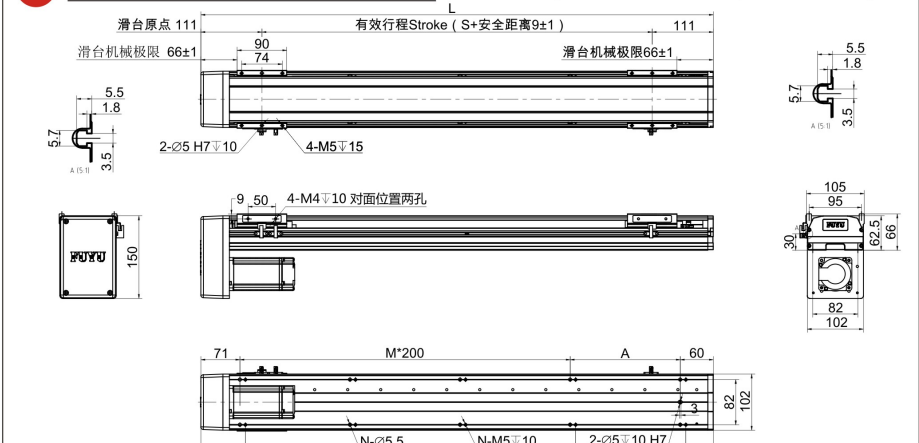
**BC MOTOR EXPOSED** A: 尾部相邻孔间距 A: Distance between adjacent holes in tail M: 阵列数 M: Number of arrays N: 安装孔个数 N: Number of mounting holes



行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	350	400	450	500	550	600	650	700	750	850	950	1050	1150	1250	1300
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

注:图中参考电机为台达400W,仅供参考 Note: the motor marked in the figure is delta 400W, for reference only

**BD MOTOR DOWN SIDE** A: 尾部相邻孔间距 A: Distance between adjacent holes in tail M: 阵列数 M: Number of arrays N: 安装孔个数 N: Number of mounting holes

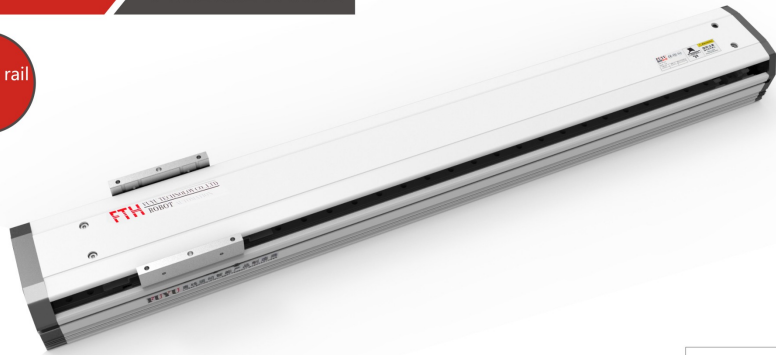


行程[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
模组总长[mm] Linear Guide Total Length	331	381	431	481	531	581	631	681	731	831	931	1031	1131	1231	1281
重量[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

注:图中参考电机为台达400W,仅供参考 Note: the motor marked in the figure is delta 400W, for reference only

FTH12 LINEAR GUIDE

Double rail



More parameters please contact us

[mm] Position Accuracy	[mm] Effective Stroke	[kg] Max Vertical Loading	[kg] Max Horizontal Loadings
±0.02	50~1050	15	50

FTH12-ORDERING METHOD

<b>FTH12</b>	<b>C7</b>	<b>L</b>	<b>05</b>	<b>100</b>	<b>BC</b>	<b>T40</b>	<b>S</b>	
FTH cover plate ball screw linear guide		Transmission material category		Motor position			Servo motor	
Model	Wide(mm)	L	standard ball screw		Screw Slider			Panasonic 40-400W
FTH12	102	Screw rod accuracy		M Motor hidden in			Yaskawa	
Lead		Screw Slider		BC Motor Exposed			Delta	
Screw module		C7		BL Motor Left Side			Mitsubishi	
05	05mm	Effective Stroke		BR Motor Right Side			Stepping motor	
10	10mm	FTH12 50~1050		BD Motor Down Side			B60 60X102	
20	20mm	brake						
Extra Enquiry If Need Brake								

FTH10-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A FMC4030	SPX303Z(NPN-NO)

FTH12-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy	±0.02		
	Guide Type	W12xH8		
	Ball Screw Type	16		
	(mm) Lead	5	10	20
	[mm/s] Max Speed	250	500	1000
	[kg] Horizontal Rated Load	50	30	20
	[kg] Vertical Rated Load	15	10	5
	[dB] Rated Load Noise	70-80		
	[mm/s] Accelerated Speed	500		
	[°C] Storage temperature	-15°C—+60°C		

FTH12-ALLOWABLE LOAD TORQUE

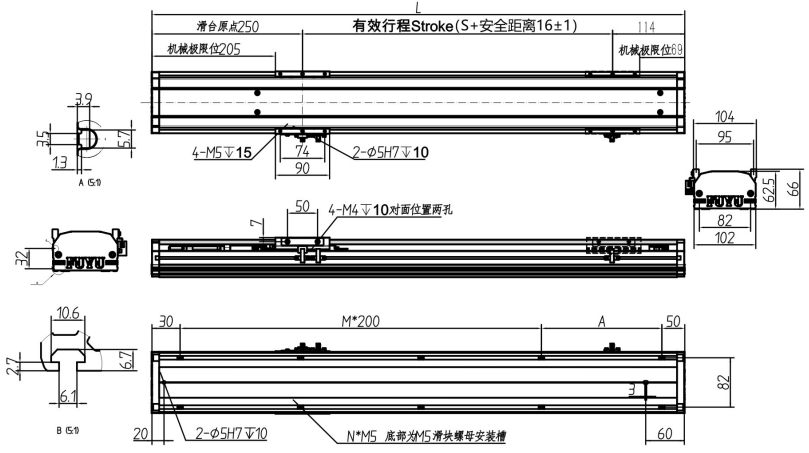
Horizontal installation				Wall installation				Vertical installation					
5 Stroke	30kg	882	65	78	5 Stroke	25kg	100	84	1000	5 Stroke	5kg	550	550
	40kg	606	43	51		35kg	63	50	725		8kg	345	345
	50kg	300	25	24		50kg	35	29	450		15kg	220	220
10 Stroke	15kg	875	138	157	10 Stroke	10kg	250	220	1300	10 Stroke	4kg	600	600
	25kg	485	75	85		20kg	110	90	650		10kg	300	300
	30kg	380	60	64		30kg	65	55	385				
20 Stroke	5kg	1100	380	380	20 Stroke	6kg	310	315	950	20 Stroke	2kg	950	950
	10kg	550	180	180		12kg	145	145	450		5kg	640	640
	20kg	500	90	90		20kg	90	90	285				

FTH12-STATIC LOADING MOMENT

MY	150
MP	150
MR	130

The data represented by the moment represent the center of gravity

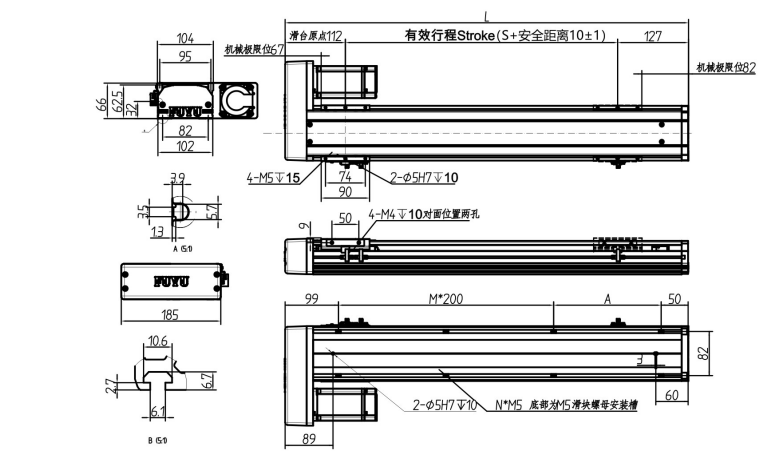
**M** MOTOR HIDDEN IN A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
[mm] Linear Guide Total Length	480	530	580	630	680	730	780	830	880	980	1080	1130	1280	1380	1430
[kg] Weight	5.2	5.7	6.2	6.7	7.2	7.7	8.2	8.7	9.2	10.2	11.2	12.2	13.2	14.2	14.7

Note: the motor marked in the figure is delta 400W, for reference only

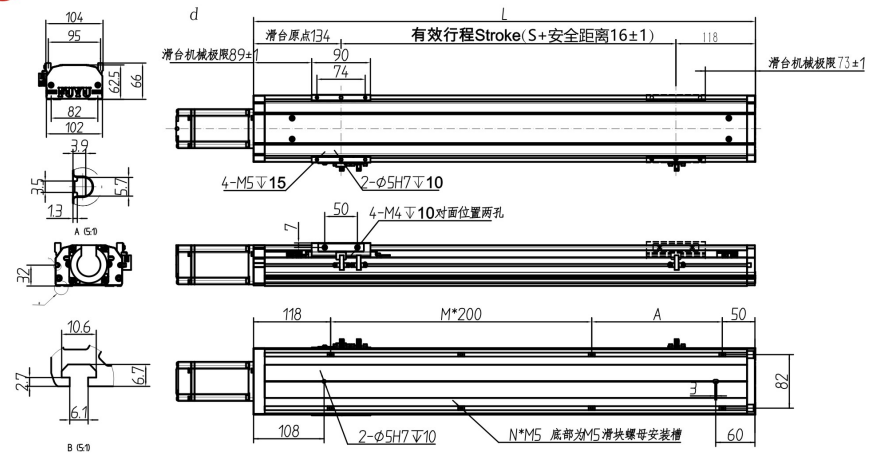
**BLR** MOTOR LEFT AND RIGHT SIDE A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
[mm] Linear Guide Total Length	349	399	449	499	549	599	649	699	749	849	949	1049	1149	1249	1299
[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

Note: the motor marked in the figure is delta 400W, for reference only

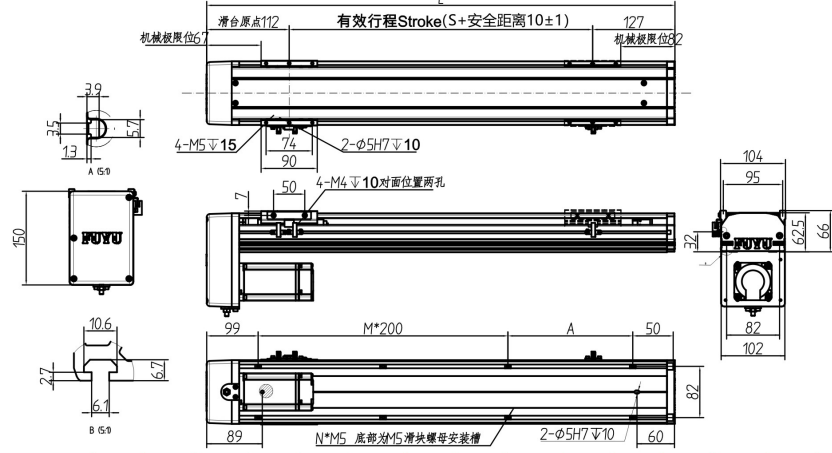
**BC** MOTOR EXPOSED A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
[mm] Linear Guide Total Length	368	418	468	518	568	618	668	718	768	868	968	1068	1168	1268	1318
[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

Note: the motor marked in the figure is delta 400W, for reference only

**BD** MOTOR DOWN SIDE A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



[mm] Stroke	100	150	200	250	300	350	400	450	500	600	700	800	900	1000	1050
[mm] Linear Guide Total Length	331	381	431	481	531	581	631	681	731	831	931	1031	1131	1231	1281
[kg] Weight	5.0	5.5	6.0	6.5	7.0	7.5	8.0	8.5	9.0	10.0	11.0	12.0	13.0	14.0	14.5

Note: the motor marked in the figure is delta 400W, for reference only

FTH14 LINEAR GUIDE

Double rail



More parameters please contact us

[mm] Position Accuracy	[mm] Effective Stroke	[kg] Max Vertical Loading	[kg] Max Horizontal Loadings
±0.02	50~1250	30	110

FTH14-ORDERING METHOD

FTH14	C7	L	10	100	BC	T40	S	
FTH cover plate ball screw linear guide		Transmission material category		Motor position			Servo motor	
Model	Wide(mm)	L	standard ball screw		Screw Slider			Panasonic 40:400W
FTH14	135				M Motor hidden in			Yaskawa 75:750W
Lead		Screw rod accuracy		BC Motor Exposed			Delta	Mitsubishi
Screw module		Screw Slider		BL Motor Left Side			Stepping motor	
05	05mm	C7		BR Motor Right Side			B60	60X102
10	10mm	Effective Stroke		BD Motor Down Side			B86	86X128
20	20mm	FTH14 50~1250					brake	
								Extra Enquiry If Need Brake

FTH14-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTH14-TECHNICAL PARAMETER

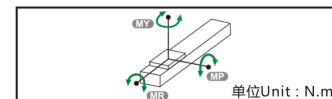
TECHNICAL PARAMETER	[mm] Position Accuracy	±0.02		
	Guide Type	W15xH12.5		
	Ball Screw Type	16/20		
	( mm ) Lead	5	10	20
	[mm/s] Max Speed	250	500	1000
	[kg] Horizontal Rated Load	110	90	40
	[kg] Vertical Rated Load	30	25	10
	[dB ] Rated Load Noise	70-80		
	[mm/s] Accelerated Speed	500		
	[°C] Storage temperature	-15°C—+60°C		

FTH14-ALLOWABLE LOAD TORQUE

Horizontal installation				A	B	C	Wall installation				A	B	C	Vertical installation				A	C
5 Stroke	60kg			2512	242	232	5 Stroke	55kg			257	269	2883	5 Stroke	15kg		1118	1118	
	80kg			1811	172	164		75kg			178	186	2000		22kg		770	770	
	110kg			1300	118	115		110kg			114	118	1275		30kg		563	563	
10 Stroke	30kg			2727	470	430	10 Stroke	35kg			363	395	2368	10 Stroke	10kg		1500	1500	
	50kg			1577	266	242		55kg			218	238	1445		14kg		1072	1072	
	90kg			830	136	125		90kg			124	136	833		25kg		599	599	
20 Stroke	10kg			2304	1222	1028	20 Stroke	12kg			854	1019	2552	20 Stroke	4kg		2980	2980	
	22kg			1443	540	451		20kg			500	596	1588		10kg		1190	1190	
	40kg			880	283	238		40kg			235	281	874						

FTH14-STATIC LOADING MOMENT

MY	551
MP	552
MR	485

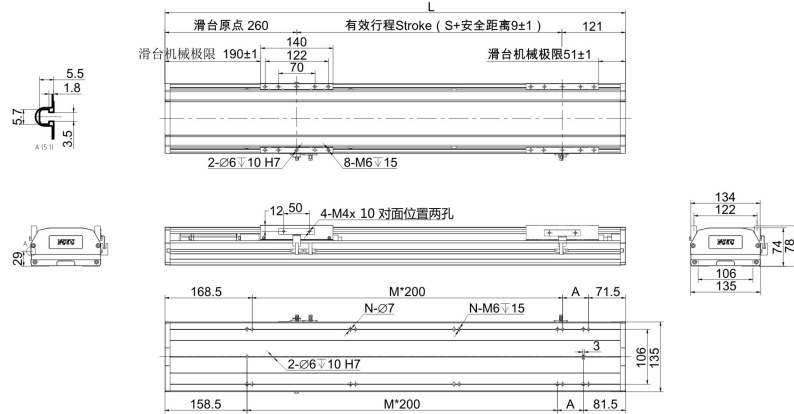


The data represented by the moment represent the center of gravity

M

## MOTOR HIDDEN IN

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



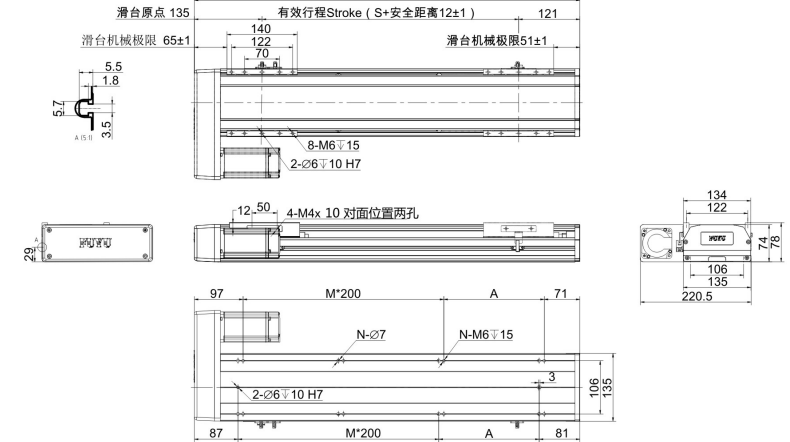
[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
[mm] Linear Guide Total Length	490	540	590	640	690	790	890	990	1090	1190	1290	1390	1490	1590	1640
[kg] Weight	6.8	7.3	7.8	8.3	8.8	9.8	10.8	11.8	12.8	13.8	14.8	15.8	16.8	17.8	18.3

Note: the motor marked in the figure is delta 400W, for reference only

M

## MOTOR HIDDEN IN

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



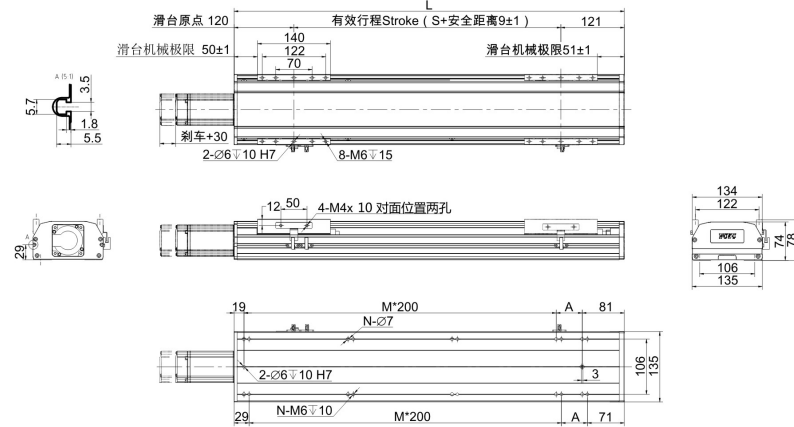
[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
[mm] Linear Guide Total Length	368	418	468	518	568	668	718	868	968	1068	1168	1268	1368	1468	1518
[kg] Weight	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.5

Note: the motor marked in the figure is delta 400W, for reference only

BC

## MOTOR EXPOSED

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



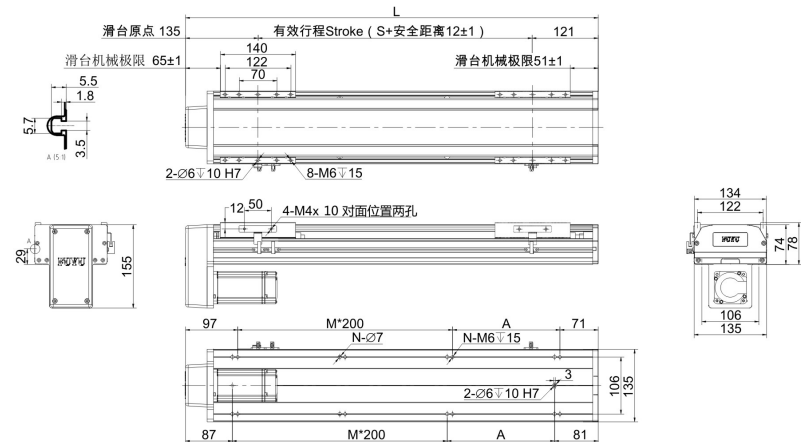
[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
[mm] Linear Guide Total Length	350	400	450	500	550	650	750	850	950	1050	1150	1250	1350	1450	1500
[kg] Weight	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.5

Note: the motor marked in the figure is delta 400W, for reference only

BD

## MOTOR DOWN SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



[mm] Stroke	100	150	200	250	300	400	500	600	700	800	900	1000	1100	1200	1250
[mm] Linear Guide Total Length	368	418	468	518	568	668	718	868	968	1068	1168	1268	1368	1468	1518
[kg] Weight	6.0	6.5	7.0	7.5	8.0	9.0	10.0	11.0	12.0	13.0	14.0	15.0	16.0	17.0	17.5

Note: the motor marked in the figure is delta 400W, for reference only

FTH17 LINEAR GUIDE

Double rail



More parameters please contact us

[mm] Position Accuracy	[mm] Effective Stroke	[kg] Max Vertical Loading	[kg] Max Horizontal Loadings
±0.02	50~1500	50	120

FTH17-ORDERING METHOD

FTH17	C7	L	10	100	BC	T40	S	
FTH cover plate ball screw linear guide		Transmission material category		Motor position			Servo motor	
Model	Wide(mm)	L	standard ball screw		Screw Slider			Panasonic 40:400W
FTH17	170				M Motor hidden in			Yaskawa 75:750W
Lead		Screw rod accuracy		BC Motor Exposed			Delta	Mitsubishi
Screw module		Screw Slider		BL Motor Left Side			Stepping motor	
05	05mm	C7		BR Motor Right Side			B60	60X102
10	10mm	Effective Stroke		BD Motor Down Side			B86	86X128
20	20mm	FTH17 50~1500		brake				Extra Enquiry If Need Brake
25	25mm							

FTH17-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	FY-SPX307
	FMC4030	

FTH17-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy	±0.02			
	Guide Type	W20xH15.5			
	Ball Screw Type	20/25			
	( mm ) Lead	5	10	20	25
	[mm/s] Max Speed	250	500	1000	1250
	[kg] Horizontal Rated Load	120	110	80	60
	[kg] Vertical Rated Load	50	40	25	20
	[dB ] Rated Load Noise	70-80			
	[mm/s] Accelerated Speed	500			
	[°C] Storage temperature	-15°C—+60°C			

FTH17-ALLOWABLE LOAD TORQUE

Horizontal installation		A	B	C	Wall installation		A	B	C	Vertical installation		A	C
5 Stroke	70kg	3235	349	408	5 Stroke	75kg	377	322	2988	5 Stroke	20kg	1368	1368
	90kg	2482	263	306		95kg	288	246	2333		30kg	911	911
	120kg	1850	187	217		120kg	218	187	1850		50kg	546	546
10 Stroke	65kg	1911	338	373	10 Stroke	60kg	408	368	2092	10 Stroke	15kg	1618	1618
	85kg	1445	248	276		80kg	296	266	1554		25kg	970	970
	110kg	1102	182	202		110kg	202	182	1102		40kg	606	606
20 Stroke	35kg	1666	547	538	20 Stroke	30kg	633	644	1961	20 Stroke	10kg	1922	1922
	55kg	1030	331	328		50kg	365	369	1143		14kg	1377	1377
	80kg	697	232	232		80kg	213	214	681		25kg	771	771

FTH17-STATIC LOADING MOMENT

	MY	1032
	MP	1034
	MR	908

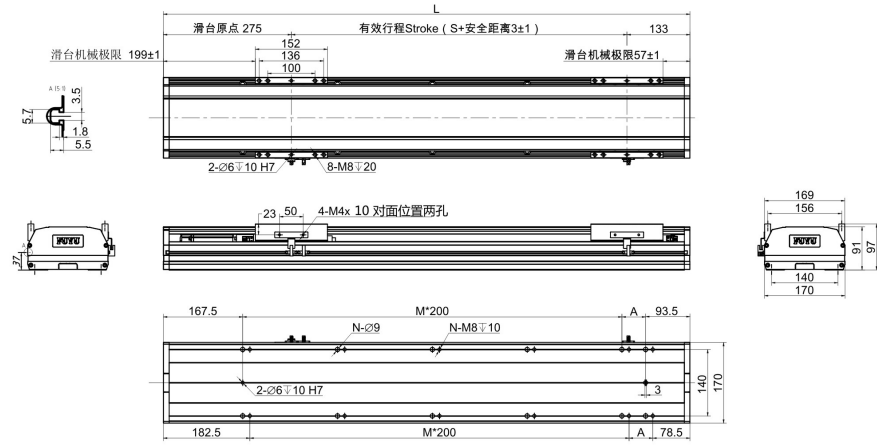
The data represented by the moment represent the center of gravity



M

MOTOR HIDDEN IN

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



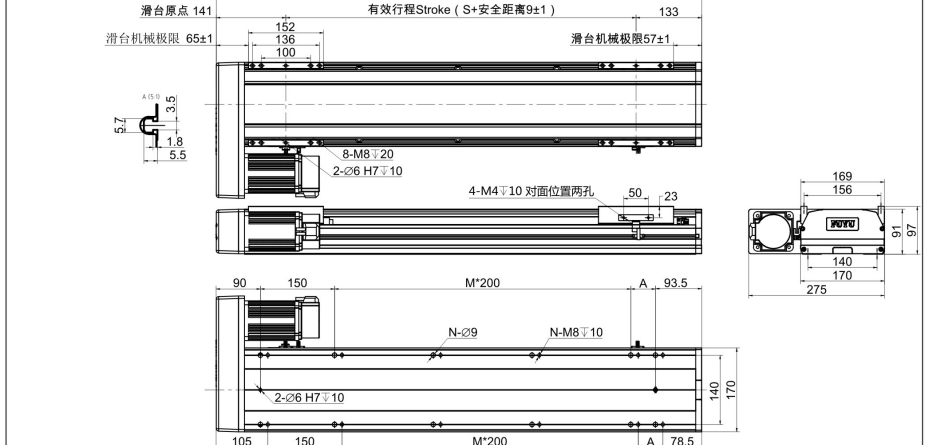
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
[mm] Linear Guide Total Length	511	611	711	811	911	1011	1111	1211	1311	1411	1511	1611	1711	1811	1911
[kg] Weight	10.5	12.1	13.7	15.3	16.9	18.5	20.1	21.7	23.3	24.9	26.5	28.1	29.7	31.3	32.9

Note: the motor marked in the figure is delta 400W, for reference only

BLR

MOTOR LEFT AND RIGHT SIDE

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



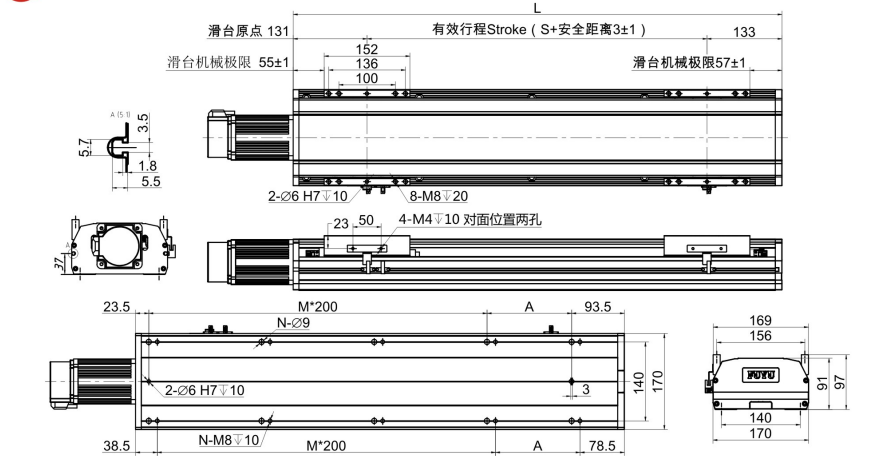
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300		
[mm] Linear Guide Total Length	383	483	583	683	783	883	983	1083	1183	1283	1383	1483	1583		
[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3		

Note: the motor marked in the figure is delta 400W, for reference only

BC

MOTOR EXPOSED

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



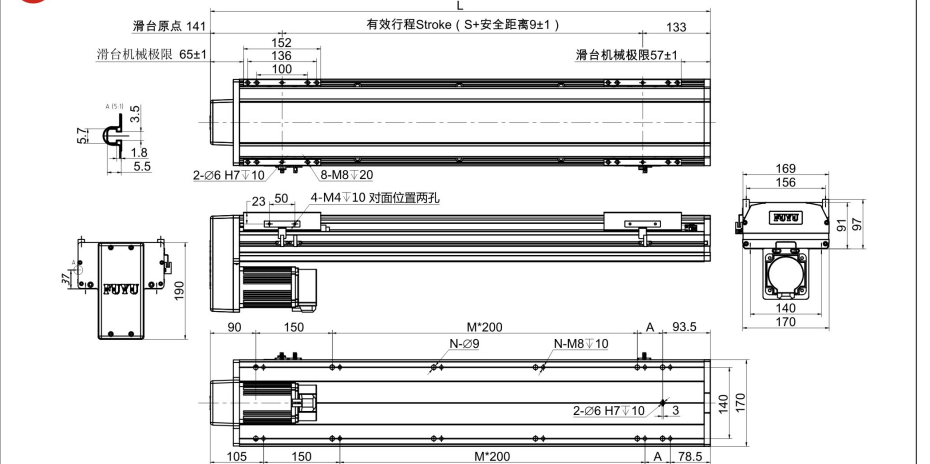
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
[mm] Linear Guide Total Length	367	467	567	667	767	867	967	1067	1167	1267	1367	1467	1567	1667	1767
[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	32.5

Note: the motor marked in the figure is delta 400W, for reference only

BD

MOTOR DOWN SIDE

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500
[mm] Linear Guide Total Length	383	483	583	683	783	883	983	1083	1183	1283	1383	1483	1583	1683	1783
[kg] Weight	10.1	11.7	13.3	14.9	16.5	18.1	19.7	21.3	22.9	24.5	26.1	27.7	29.3	30.9	32.5

Note: the motor marked in the figure is delta 400W, for reference only

## FTB LINEAR GUIDE



## LONG TRAVEL AND HIGH SPEED

FTB module can easily meet the needs of high-speed use, stable operation, and repeated positioning accuracy of  $\pm 0.05\text{mm}$ . It perfectly responds to the needs of all automation markets. It is widely used in the industry and popularized in the global market.

### TECHNICAL FEATURES

#### OPTIONAL ACCESSORIES

Power supply, drive, limit switch, controller, connection board, drag chain

#### APPLICATION AREA

Application range: laser cutting machine, PV back sheet cutting engraving machine, transportation mechanical arm, assistant device, Electric research test function demonstration, kinds of industrial automatic production line, kinds of precision machinery processing

#### INDUSTRY

Semiconductor device, LED online device, solar equipment, FPD equipment



**FTB10 LINEAR MODULE**

»»» P79



**FTB12 LINEAR MODULE**

»»» P83



**FTB14 LINEAR MODULE**

»»» P87



**FTB17 LINEAR MODULE**

»»» P91

FTB10 LINEAR GUIDE

Single rail



More parameters please contact us

[mm]  
Position Accuracy  
±0.05

[mm]  
Effective Stroke  
100~3500

[kg]  
Max Vertical Loading  
Please contact us for special needs

[kg]  
Max Horizontal Loadings  
10

FTB10-ORDERING METHOD

FTB10		L		35	100	BC	T40	S
FTH cover plate belt linear guide		Transmission material category		Motor position				Servo motor
Model	Wide(mm)	L	PU BELT	Belt slide				Panasonic 40:400W
FTB10	102	X	Rubber belt	L	Motor Left	Yaskawa 75:750W		Delta
		Lead		LU	Motor Upper Left	Mitsubishi		
		Belt Slider		LD	Motor Lower Left	Stepping motor		
		35	35mm	R	Motor Right	B60	60X102	
		Effective Stroke		RU	Motor Upper Right	B86	86X128	
		FTB10	100~3500	RD	Motor Lower Right	brake		
				Extra Enquiry If Need Brake				

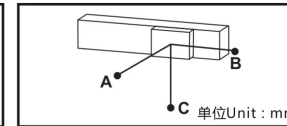
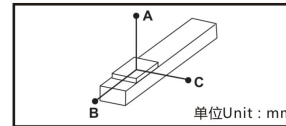
FTB10-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTB10-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy	±0.05
	Guide Type	W20xH15.5
	Belt Type	15
	( mm ) Lead	35
	[mm/s] Max Speed	1750
	[kg] Horizontal Rated Load	10
	[kg] Vertical Rated Load	Please contact us for special needs
	[dB ] Rated Load Noise	70-80
	[mm/s] Accelerated Speed	1000
	[°C] Storage temperature	-15°C—+60°C

FTB10-ALLOWABLE LOAD TORQUE

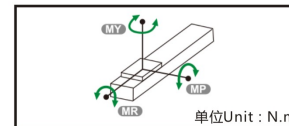


Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60

Wall installation	A	B	C
4kg	165	200	625
7kg	90	110	350
10kg	60	75	240

The data represented by the moment represent the center of gravity

FTB10-STATIC LOADING MOMENT

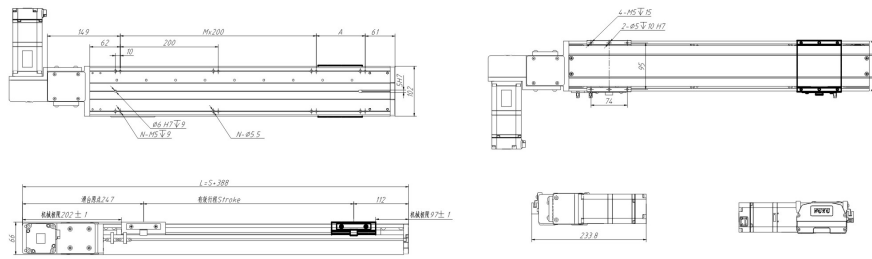


MY	110
MP	110
MR	120

L

MOTOR LEFT SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



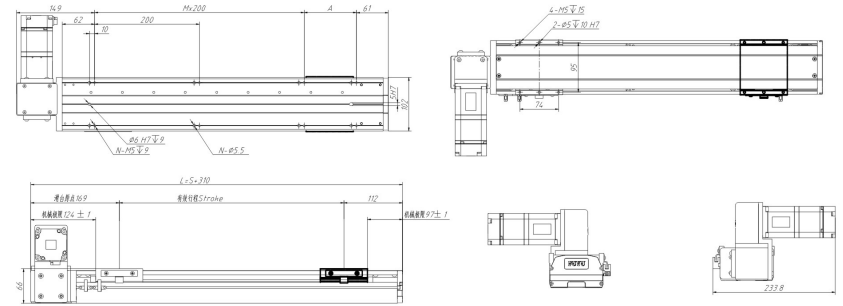
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	488	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188
[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2288	2388	2488	2588	2688	2788	2888	2988	3088	3188	3288	3388	3488	3588	3688	3788	3888	
[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

The installation length of nut shall be subject to the actual situation

LU

MOTOR LEFT UPPER SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



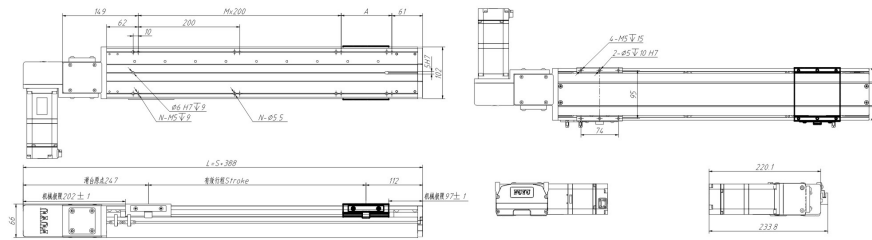
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	410	510	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110
[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	
[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

The installation length of nut shall be subject to the actual situation

R

MOTOR RIGHT SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



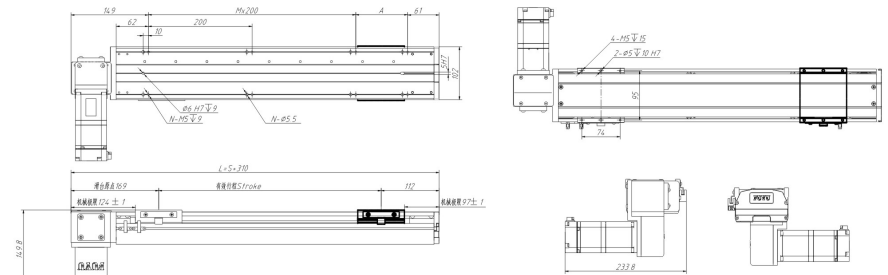
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	488	588	688	788	888	988	1088	1188	1288	1388	1488	1588	1688	1788	1888	1988	2088	2188
[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2288	2388	2488	2588	2688	2788	2888	2988	3088	3188	3288	3388	3488	3588	3688	3788	3888	
[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

The installation length of nut shall be subject to the actual situation

RD

MOTOR RIGHT LOWER SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	410	510	610	710	810	910	1010	1110	1210	1310	1410	1510	1610	1710	1810	1910	2010	2110
[kg] Weight	4.6	5.2	5.8	6.5	7.1	7.7	8.3	8.9	9.6	10.2	10.8	11.4	12.1	12.7	13.3	13.9	14.5	15.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2210	2310	2410	2510	2610	2710	2810	2910	3010	3110	3210	3310	3410	3510	3610	3710	3810	
[kg] Weight	15.8	16.4	17.0	17.6	18.3	18.9	19.5	20.1	20.7	21.4	22.0	22.6	23.2	23.9	24.5	25.1	25.7	

The installation length of nut shall be subject to the actual situation

FTB12 LINEAR GUIDE

Double rail



More parameters please contact us

[mm]  
Position Accuracy  
±0.05

[mm]  
Effective Stroke  
100~3500

[kg]  
Max Vertical Loading  
Please contact us for special needs

[kg]  
Max Horizontal Loadings  
10

FTB12-ORDERING METHOD

FTB12		L		35	100	BC	T40	S
FTH cover plate belt linear guide		Transmission material category		Motor position				Servo motor
Model	Wide(mm)	L	PU BELT	Belt slide				Panasonic 40:400W
FTB12	102	X	Rubber belt	L	Motor Left	LU	Motor Upper Left	Yaskawa 75:750W
				LD	Motor Lower Left	R	Motor Right	Delta
				RU	Motor Upper Right	RD	Motor Lower Right	Mitsubishi
				Stepping motor				B60 60X102
								B86 86X128
				brake				
				Extra Enquiry If Need Brake				
				Lead				
				Belt Slider				
				35	35mm			
				Effective Stroke				
				FTB12	100~3500			

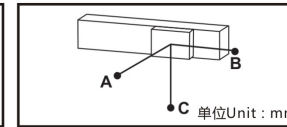
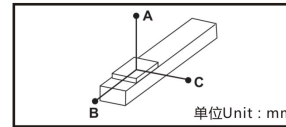
FTB12-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	SPX303Z(NPN-NO)
	FMC4030	

FTB12-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy	±0.05
	Guide Type	W12xH8
	Belt Type	HTD5M-15
	( mm ) Lead	35
	[mm/s] Max Speed	1750
	[kg] Horizontal Rated Load	10
	[kg] Vertical Rated Load	Please contact us for special needs
	[dB ] Rated Load Noise	70-80
	[mm/s] Accelerated Speed	3000
	[°C] Storage temperature	-15°C—+60°C

FTB12-ALLOWABLE LOAD TORQUE

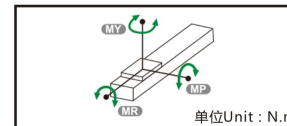


Horizontal installation	A	B	C
5kg	495	155	130
8kg	301	91	77
10kg	236	71	60

Wall installation	A	B	C
4kg	165	200	625
7kg	90	110	350
10kg	60	75	240

The data represented by the moment represent the center of gravity

FTB12-STATIC LOADING MOMENT



MY	110
MP	110
MR	120



FTB14 LINEAR GUIDE

Double rail



More parameters please contact us

[mm]  
Position Accuracy  
±0.05

[mm]  
Effective Stroke  
100~3500

[kg]  
Max Vertical Loading  
Please contact us for special needs

[kg]  
Max Horizontal Loadings  
25

FTB14-ORDERING METHOD

FTB14		L		40	100	BC	T40	S
FTH cover plate belt linear guide		Transmission material category		Motor position				Servo motor
Model	Wide(mm)	L	PU BELT	Belt slide				Panasonic 40:400W
FTB14	135	X	Rubber belt	L	Motor Left	LU	Motor Upper Left	Yaskawa 75:750W
			Lead	LD	Motor Lower Left	R	Motor Right	Delta
			Belt Slider	RU	Motor Upper Right	RD	Motor Lower Right	Mitsubishi
			40 40mm	Stepping motor				B60 60X102
			Effective Stroke	brake				B86 86X128
			FTB14 100~3500	Extra Enquiry If Need Brake				

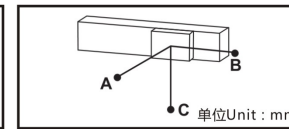
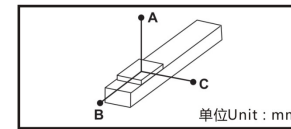
FTB14-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	FY-SPX307
	FMC4030	

FTB14-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm]	Position Accuracy	±0.05
	Guide Type	W15xH12.5	
	Belt Type	25	
	( mm ) Lead	40	
	[mm/s] Max Speed	2000	
	[kg] Horizontal Rated Load	25	
	[kg] Vertical Rated Load	Please contact us for special needs	
	[dB ] Rated Load Noise	70-80	
	[mm/s] Accelerated Speed	1000	
	[°C] Storage temperature	-15°C—+60°C	

FTB14-ALLOWABLE LOAD TORQUE

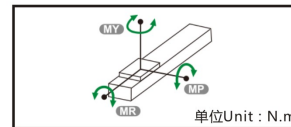


Horizontal installation	A	B	C
10kg	1795	690	540
20kg	860	330	260
25kg	670	260	200

Wall installation	A	B	C
15kg	50	450	1180
18kg	290	370	970
25kg	60	75	240

The data represented by the moment represent the center of gravity

FTB14-STATIC LOADING MOMENT

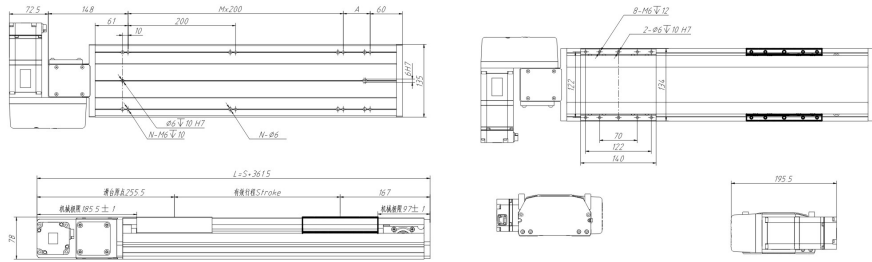


MY	560
MP	565
MR	490

L

MOTOR LEFT SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



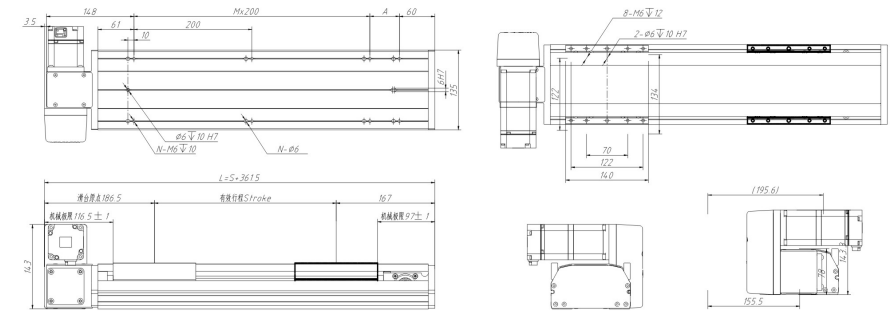
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	530.5	630.5	730.5	830.5	930.5	1030.5	1130.5	1230.5	1330.5	1430.5	1530.5	1630.5	1730.5	1830.5	1930.5	2030.5	2130.5	2230.5
[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2330.5	2430.5	2530.5	2630.5	2730.5	2830.5	2930.5	3030.5	3130.5	3230.5	3330.5	3430.5	3530.5	3630.5	3730.5	3830.5	3930.5	
[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

The installation length of nut shall be subject to the actual situation

LU

MOTOR LEFT UPPER SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



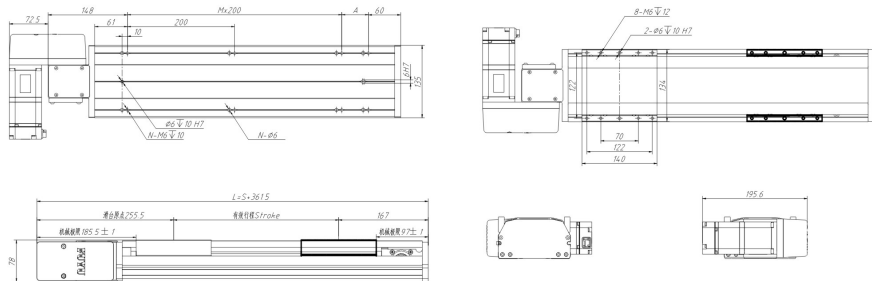
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	461.5	561.5	661.5	761.5	861.5	961.5	1061.5	1161.5	1261.5	1361.5	1461.5	1561.5	1661.5	1761.5	1861.5	1961.5	2061.5	2161.5
[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2261.5	2361.5	2461.5	2561.5	2661.5	2761.5	2861.5	2961.5	3061.5	3161.5	3261.5	3361.5	3461.5	3561.5	3661.5	3761.5	3861.5	
[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

The installation length of nut shall be subject to the actual situation

R

MOTOR RIGHT SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



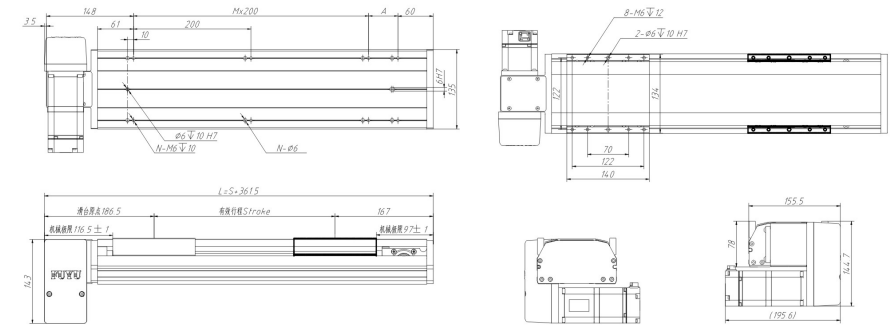
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	530.5	630.5	730.5	830.5	930.5	1030.5	1130.5	1230.5	1330.5	1430.5	1530.5	1630.5	1730.5	1830.5	1930.5	2030.5	2130.5	2230.5
[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2330.5	2430.5	2530.5	2630.5	2730.5	2830.5	2930.5	3030.5	3130.5	3230.5	3330.5	3430.5	3530.5	3630.5	3730.5	3830.5	3930.5	
[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

The installation length of nut shall be subject to the actual situation

RD

MOTOR RIGHT LOWER SIDE

A : Distance between adjacent holes in tail M : Number of arrays N : Number of mounting holes



[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	461.5	561.5	661.5	761.5	861.5	961.5	1061.5	1161.5	1261.5	1361.5	1461.5	1561.5	1661.5	1761.5	1861.5	1961.5	2061.5	2161.5
[kg] Weight	7.3	8.2	9.1	10.0	10.8	11.7	12.6	13.5	14.4	15.2	16.1	17.0	17.9	18.8	19.6	20.5	21.4	22.3
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2261.5	2361.5	2461.5	2561.5	2661.5	2761.5	2861.5	2961.5	3061.5	3161.5	3261.5	3361.5	3461.5	3561.5	3661.5	3761.5	3861.5	
[kg] Weight	23.2	24.0	24.9	25.8	26.7	27.6	28.4	29.3	30.2	31.1	32.0	32.8	33.7	34.6	35.5	36.4	37.2	

The installation length of nut shall be subject to the actual situation



FTB17 LINEAR GUIDE

Double rail



More parameters please contact us

[mm]  
Position Accuracy  
±0.05

[mm]  
Effective Stroke  
100~3500

[kg]  
Max Vertical Loading  
Please contact us for special needs

[kg]  
Max Horizontal Loadings  
45

FTB17-ORDERING METHOD

FTB17		L		10		100		BC		T40		S	
FTH cover plate belt linear guide		Transmission material category		Motor position								Servo motor	
Model	Wide(mm)	L	PU BELT	Belt slide								Panasonic	40:400W
FTB17	170	X	Rubber belt	L	Motor Left							Yaskawa	75.750W
		Lead		LU	Motor Upper Left							Delta	
		Belt Slider		LD	Motor Lower Left							Mitsubishi	
		40	40mm	R	Motor Right							Stepping motor	
		Effective Stroke		RU	Motor Upper Right							B60	60X102
		FTB17	100~3500	RD	Motor Lower Right							B86	86X128
												brake	
												Extra Enquiry If Need Brake	

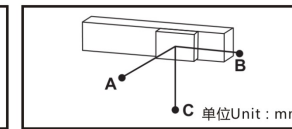
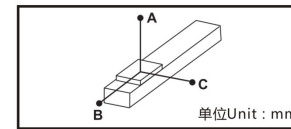
FTB17-COLLOCATION LIST

Touch screen	Controller	Limit switch
TPC7062HW	FSC-2A	FY-SPX307
	FMC4030	

FTB17-TECHNICAL PARAMETER

TECHNICAL PARAMETER	[mm] Position Accuracy	±0.05
	Guide Type	W20xH15.5
	Belt Type	30
	( mm ) Lead	40
	[mm/s] Max Speed	2000
	[kg] Horizontal Rated Load	45
	[kg] Vertical Rated Load	Please contact us for special needs
	[dB ] Rated Load Noise	70-80
	[mm/s] Accelerated Speed	1000
	[°C] Storage temperature	-15°C—+60°C

FTB17-ALLOWABLE LOAD TORQUE

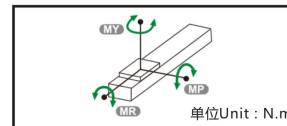


Horizontal installation	A	B	C
10kg	3000	1200	1100
20kg	1500	550	500
30kg	950	360	320
45kg	588	220	201

Wall installation	A	B	C
10kg	680	750	2000
20kg	390	430	1150
30kg	270	300	790
45kg	205	220	588

The data represented by the moment represent the center of gravity

FTB17-STATIC LOADING MOMENT

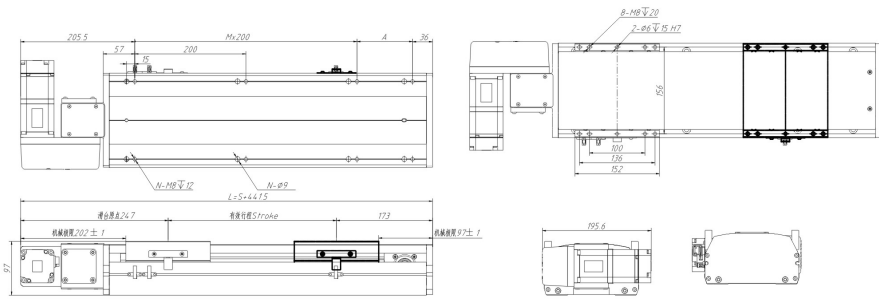


MY	1050
MP	1055
MR	910

BL

## MOTOR LEFT SIDE

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



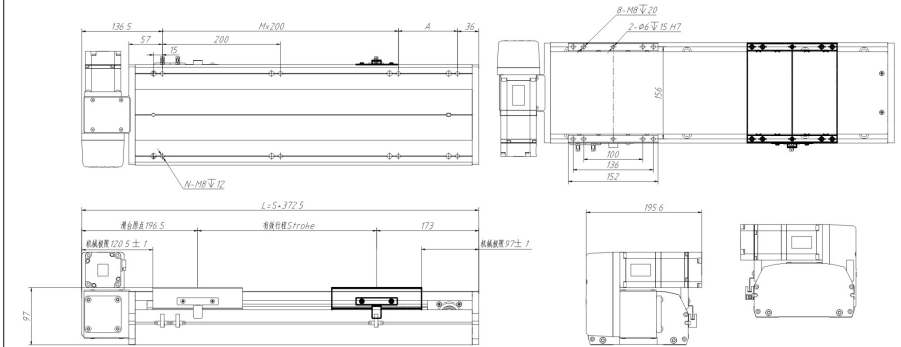
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	541.5	641.5	741.5	841.5	941.5	1041.5	1141.5	1241.5	1341.5	1441.5	1541.5	1641.5	1741.5	1841.5	1941.5	2041.5	2141.5	2241.5
[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2341.5	2441.5	2541.5	2641.5	2741.5	2841.5	2941.5	3041.5	3141.5	3241.5	3341.5	3441.5	3541.5	3641.5	3741.5	3841.5	3941.5	
[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

The installation length of nut shall be subject to the actual situation

LU

## MOTOR LEFT UPPER SIDE

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



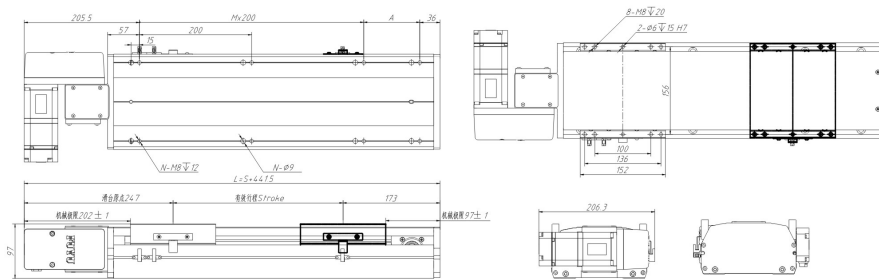
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	472.5	572.5	672.5	772.5	872.5	972.5	1072.5	1172.5	1272.5	1372.5	1472.5	1572.5	1672.5	1772.5	1872.5	1972.5	2072.5	2172.5
[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2272.5	2372.5	2472.5	2572.5	2672.5	2772.5	2872.5	2972.5	3072.5	3172.5	3272.5	3372.5	3472.5	3572.5	3672.5	3772.5	3872.5	
[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

The installation length of nut shall be subject to the actual situation

BR

## MOTOR RIGHT SIDE

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



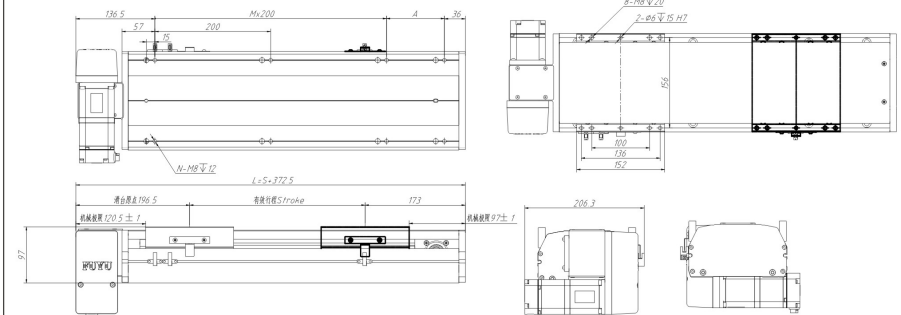
[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	541.5	641.5	741.5	841.5	941.5	1041.5	1141.5	1241.5	1341.5	1441.5	1541.5	1641.5	1741.5	1841.5	1941.5	2041.5	2141.5	2241.5
[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2341.5	2441.5	2541.5	2641.5	2741.5	2841.5	2941.5	3041.5	3141.5	3241.5	3341.5	3441.5	3541.5	3641.5	3741.5	3841.5	3941.5	
[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

The installation length of nut shall be subject to the actual situation

RD

## MOTOR RIGHT LOWER SIDE

A: Distance between adjacent holes in tail M: Number of arrays N: Number of mounting holes



[mm] Stroke	100	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800
[mm] Linear Guide Total Length	472.5	572.5	672.5	772.5	872.5	972.5	1072.5	1172.5	1272.5	1372.5	1472.5	1572.5	1672.5	1772.5	1872.5	1972.5	2072.5	2172.5
[kg] Weight	11.1	12.5	13.9	15.4	16.8	18.2	19.6	21.0	22.5	23.9	25.3	26.7	28.1	29.6	31.0	32.4	33.8	35.2
[mm] Stroke	1900	2000	2100	2200	2300	2400	2500	2600	2700	2800	2900	3000	3100	3200	3300	3400	3500	
[mm] Linear Guide Total Length	2272.5	2372.5	2472.5	2572.5	2672.5	2772.5	2872.5	2972.5	3072.5	3172.5	3272.5	3372.5	3472.5	3572.5	3672.5	3772.5	3872.5	
[kg] Weight	36.7	38.1	39.5	40.9	42.3	43.8	45.2	46.6	48.0	49.4	50.9	52.3	53.7	55.1	56.5	58.0	59.4	

The installation length of nut shall be subject to the actual situation