

直线运动及导向产品系列

您正在浏览“工业机械手”手册，其他产品信息详见对应产品手册。

You Are Reading The "Linear Module" Manual. For Other Product Information, Please Refer To The Corresponding Product Manual.

WEIYUAN
LINEAR PRODUCT

威远直线运动产品系列

■ 螺杆系统
SCREW SYSTEM

■ 工业机械手
LINEAR MODULE

■ 直线导轨
LINEAR GUIDE

■ 联轴器
COUPLING

本产品手册表示的技术规格是准确可靠的。用户应仔细认真地确定选用产品的适宜性。若有不祥应与我公司技术部门联系。尽管我们将对有缺陷的产品予以更换，但我们不承担超出此种更换以外的任何责任。

The Technical Specifications Indicated In This Product Manual Are Accurate And Reliable. Users Should Carefully Determine The Suitability Of The Selected Product. If There Is Any Uncertainty, Please Contact Our Technical Department. Although We Will Replace Defective Products, We Do Not Accept Any Responsibility Beyond Such Replacement.

深圳市威远精密技术有限公司

Shenzhen Weiyuan Precision Technology Co., Ltd.

地址：广东省深圳市龙岗区宝龙街道宝龙专精特新产业园3栋2单元

Add: Unit 2, Building 3, Baolong Zhuanjing Jie Industrial Park, Baolong Street, Longgang District, Shenzhen, Guangdong Province

TEL: 0755-27652120 FAX: 0755-27857242 E-mail: weiyuan-sale@wy-sz.com

安徽省威远精密工业科技有限公司

Anhui Weiyuan Precision Industry Technology Co., Ltd.

地址：安徽省滁州市杭州南路898号

Add: No. 898 Hangzhou South Road, Chuzhou, Anhui

TEL: 0550-6868818 FAX: 0550-6868896 E-mail: sales@ahwym.com



www.wy-sz.com

2024年01月版



精益求精 创新不止

KEEP IMPROVING KEEP INNOVATION

威远为航天航空、智慧车辆、医疗器械、光热发电、工业自动化等领域提供优质的产品，秉承工匠精神为打造“百年工业品牌”而不懈努力！

WEIYUAN provides high-quality and reliable products for Aerospace, Smart Vehicles, Medical Equipment, Solar Thermal Power Generation, Industrial Automation and other fields. Weiyuan makes unremitting efforts to build "100-year Industrial Brand".

领先工艺 精益制造

LEADING TECHNOLOGY LEAN MANUFACTURING

公司以雄厚的技术力量、完善的企业运营及生产管理制度、一流的品质及服务质量，赢得了广大乃至海外客户的认可和赞誉。公司在研发设备、技术工艺及产品质量等方面均属国内领先水平。

The company has strong technical force, perfect enterprise operation and production management system, first-class quality and service quality, and has won the recognition and praise of the majority of customers and even overseas customers. The company is a domestic leader in research and development equipment, technology and product quality.



安徽生产基地
Anhui Production Base
安徽·滁州杭州南路898号
ANHUI WEIYUAN



深圳总部
Shenzhen Headquarters
广东·深圳宝安西乡街道铁岗社区3楼2单元
Unit 2, Building 3, Zhanjing Tech Industrial Park,
Baolong Street, Longgang District, Shenzhen,
Guangdong



30项
自主专利技术
Independent Patent Technology



30000 m²
生产基地
Production Base



500000 套
产能
Production Capacity

1995年

公司创立
Founded

2002年

深圳总部基地和
研发中心建立
Shenzhen Headquarters and
R&D Center Established.

2005年

成功开发多款
先进滚珠循环系统
A variety of advanced ball
circulation systems were
successfully developed.

2009年

国家高新技术企业
National High-Tech
Enterprise

2012年

多款自研
工业机械手面市
A variety of self-developed
industrial robots are launched.

2016年

安徽生产基地正式投产，
成为行业标杆
Anhui production base officially
put into production, becoming
the industry benchmark.

2017年

广东省著名商标
Famous Brand of
Guangdong Province.

2020年

总体技术及应用达到
国际先进水平
The overall technology
and application reach
the international
advanced level.

2022年

国家级专精特新
“小巨人”企业
National Small Giant
Enterprise.

2024年

深圳总部落地龙岗宝龙
Shenzhen headquarters
landing in Longgang
Baolong.



威远介绍 COMPANY PROFILE

威远自1995年创立以来倾心致力于滚珠丝杠、直线导轨、直线运动单元、机械手和工业执行器等产品的研发制造，并向客户提供成套的自动化解决方案。

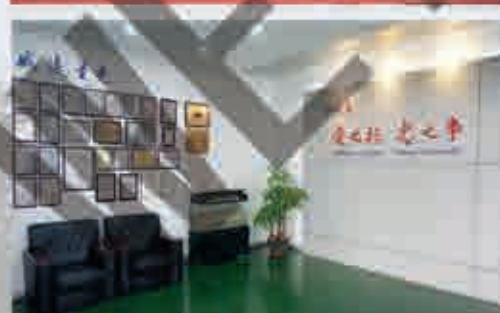
威远拥有一流的研发团队和多项自主专利技术，在华南、华东设有生产基地，在北京、上海、成都、西安等地设立营销及服务中心，产品销往全球30多个国家及地区。

威远旗下拥有二大著名品牌“WEIYUAN威远”、“WARNER华纳”，现已成为国内配套最齐全、综合生产能力最大的直线运动产品生产基地，国内领先的直线运动产品和自动化解决方案供应商。

WEIYUAN dedicates to the R&D and production of Ball Screws, Ball Rail and Industrial Actuators etc. and provides customers with complete automation solutions.

WEIYUAN has a first-class R&D team and a number of independent patented technologies. It has production bases in South China and East China, and marketing and service centers in Beijing, Shanghai, Chengdu, Xi'an and other places. The products are sold to more than 30 countries and regions around the world.

WEIYUAN has two well-known brands "WEIYUAN" and "WARNER". Now it has become the production base of linear motion products with the largest comprehensive production capacity in China, and the leading domestic supplier of linear motion products and automation solutions.



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工业机械手 Industrial Module

GSX系列 GSX Series

GSX 工业机械手主要是透过模组化的设计，将滚珠丝杆与线性导轨整合在一起，因此可提供具有高精度、快速安装、选用、高刚性、体积小、节省空间等特性。

由高精度之滚珠丝杆作为传动机构，以及配合最佳化设计的 U 型轨道做为导引机构，来确保精度与刚性的需求。

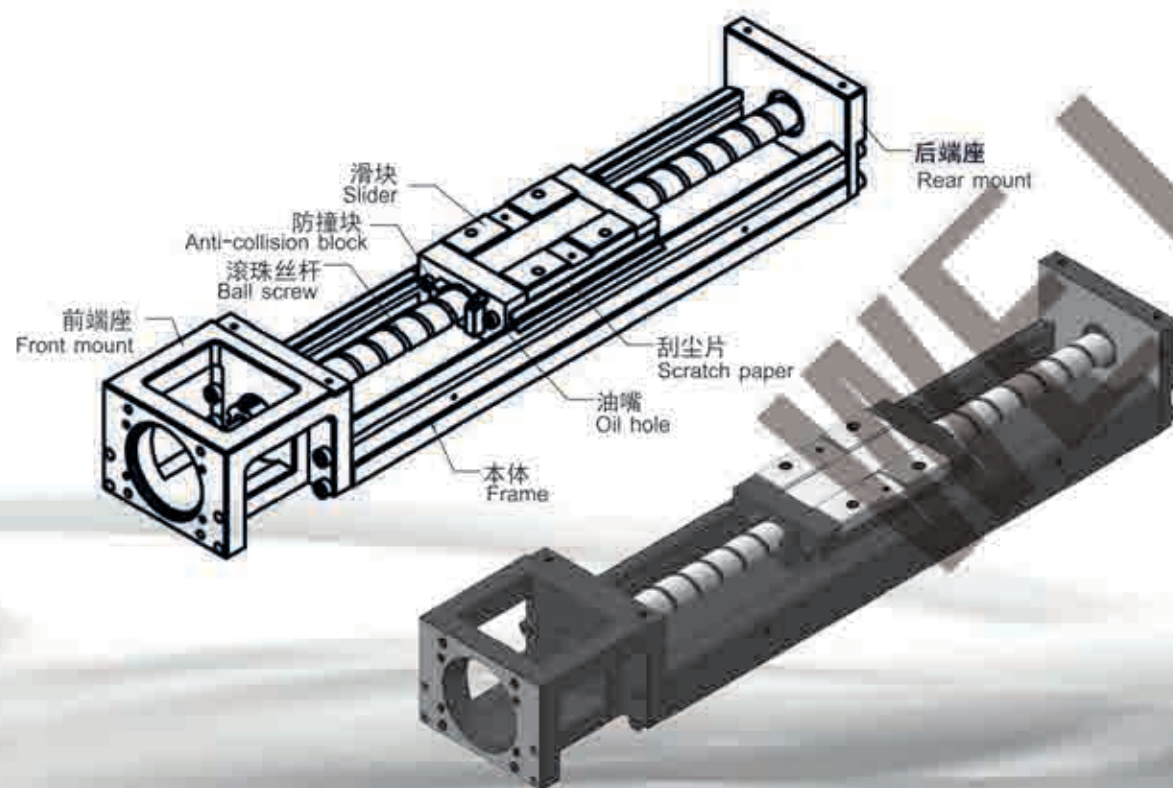
GSX Industrial Module is mainly through the modular design, integrate ball screw and linear guide rail together, it can provide high precision, fast installation, selection, high rigidity, small size, space-saving features.

With high-precision ball screw as the transmission mechanism, and with the best design of the U-shaped track as a guide mechanism to ensure the accuracy and rigidity of the demand.

1.1 特性 Features

- 设计安装容易
- 体积小重量轻
- 高精度
- 高刚性
- 配备齐全
- 最优化设计

- Easy to design and install
- Small size and light weight
- High precision
- High rigidity
- Fully equipped
- Optimized design
- Front mount



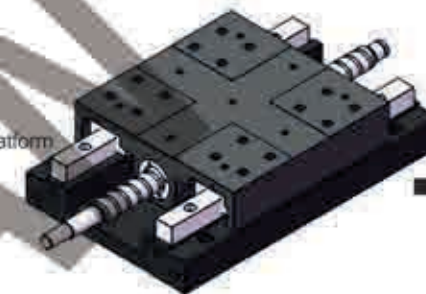
1.1.1 模组化 Modular

GSX 工业机械手透过模组化之设计，整合滚珠丝杆和线性导轨，可节省以往传统工作台需经过导引和驱动原件之选用、安装校验、体积大、占空间等缺点。因此 GSX 工业机械手可提供快速选用、安装体积精简、高刚性等特性、可大幅减少空户的使用空间与时间。

GSX industrial module through modular design, integrate ball screw and linear guide rail together. You can avoid the traditional workstations need to guide and drive components of the selection, installation check, bulky, accounting for space and other shortcomings. So GSX industrial module can provide rapid selection, installation, compact, high rigidity and other characteristics, significantly reduce user's space and time.

传统线性平台

1. 平台
 2. 线性滚珠
 1. 滚珠螺杆
 1. 底座
- Traditional linear platform
1. Platform
 2. Linear ball
 1. Ball screw
 1. Base



GSX工业机器人

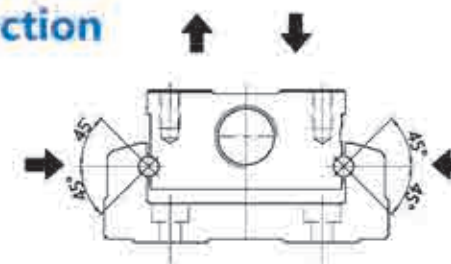
1. 滚珠螺杆
 1. 导轨
- GSX industrial robot
1. Ball screw
 2. Linear guide



1.1.2 四方向等负荷 Equal load in four direction

轨道和滑块之间的回流系统，其滚珠与珠槽接触面采用两列式歌德牙型设计，具有 45 度接触角之特性，该设计可使得 GS 工业机械手可承受四方向等负荷之能力。

The returning system between the track and the slider, the ball and contact surface with two-row Goethe tooth design, with a 45-degree contact angle characteristics, this design can make GSX industrial module withstand the ability of four-way load.



1.1.3 高刚性 High rigidity

轨道构型采用U型断面，并透过有限元分析软件的设计，在体积与刚性上取得平衡点，使得轨道具有高刚性、体积精简、重量轻等特性。The U-shaped section of the track is constructed by the finite element analysis software, and the balance between the volume and the rigidity is obtained, which makes the track high rigidity, compact volume and light weight, etc. characteristics.

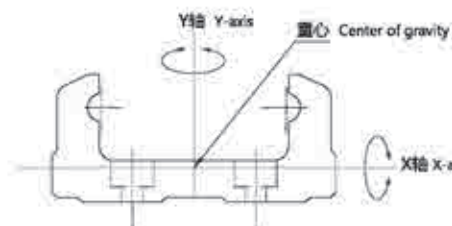
惯性矩 Moment of inertia

单位 Unit : mm⁴

模组型号 Module type	Ix	Iy
GSX40	3.533x10 ³	5.317*10 ⁴
GSX50	9.6x10 ³	1.34*10 ⁵
GSX60	2.056x10 ⁴	2.802*10 ⁵
GSX86	7.445x10 ⁴	1.134*10 ⁶

Ix: 延着X轴之惯性矩 along with the moment of inertia of X axis

Iy: 延着Y轴之惯性矩 along with the moment of inertia of Y axis

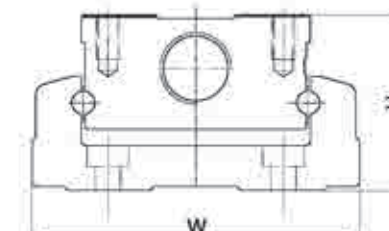


1.1.4 规格多元化 Specifications are diversified

威远钢模组针对市场各种不同的使用需求，开发下列多种 GSX 工业，提供客户依使用需求、空间、负载来选用。

According to a variety of different needs on the market, Weiyuan developed the following a variety of GSX industrial module, to provide customers with the use of demand, space, load

模组型号 Module type	W	H
GSX40	40	20
GSX50	50	26
GSX60	60	33
GSX86	86	46

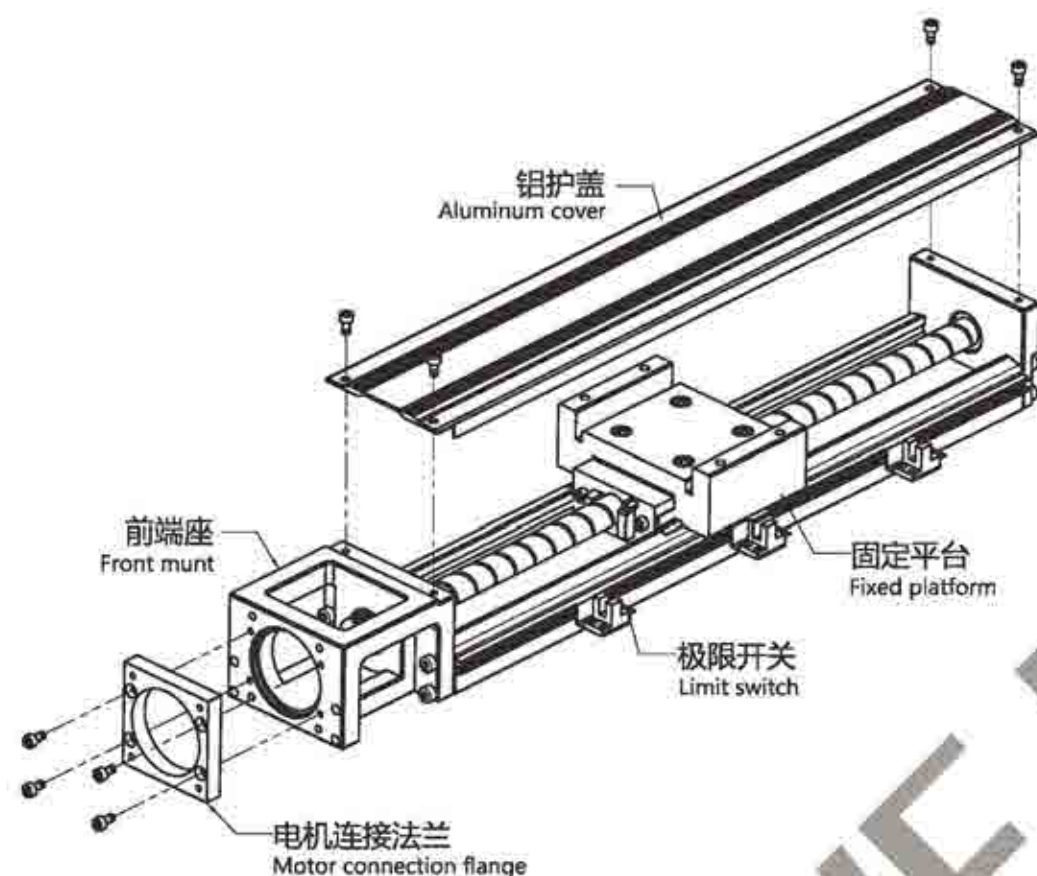


1.2 选购配件 Optional accessories

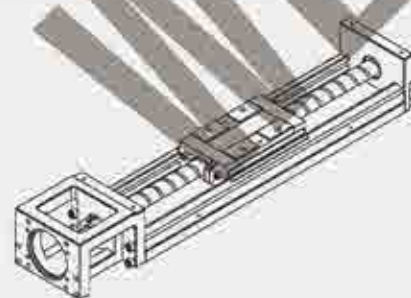
根据市场需求,GSX 机械手可另外选购铝护盖、电机连接法兰、极限开关。

- 铝护盖:可防止异物、杂质进入 GSX 工业机械手内而影响其寿命、精度、顺畅度;
- 电机连接法兰:可将各种不同马达固定在 GSX 机械手上;
- 极限开关:提供滑块定位启动原点以及防止滑块超过行程之安全机制。

According to market demand, for GSX module you can additionally purchase aluminum cover, motor connection flange, limit switch.
 Aluminum cover: to prevent foreign matter and impurities into the GSX industrial module to guarantee its life, accuracy, smoothness;
 Motor connection flange: A variety of different motors can be fixed on the GSX module;
 Limit switch: a safety mechanism to provide the location of slider, origin position of start and prevent the slider go over the travel limit.



有盖板型 With cover

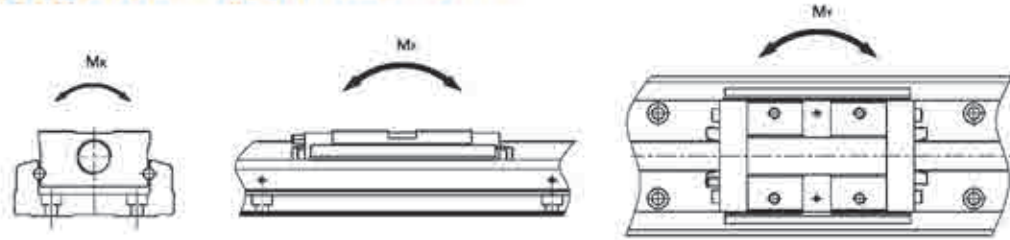


无盖板型 Without cover

1.3 产品型号 Product number

GSX	86	10	C	E	-340	E	A	1	E	-F0	C	SO	P200W	B
GSX系列 GSXseries														
尺寸 Size	40	50	60	60D	86	86D								
滚珠螺杆 (BS) 导程 Ball screw lead	GSX40: 2,2.5	GSX50: 2,2.5	GSX60/60D: 5,10	GSX86/86D: 5,10,16,20										
精度等级: P:精密级 C:一般级 Precision level: P:precision class C:normal class														
E:滚珠螺杆特殊加工 无记号:滚珠螺杆标准型 E:ball screw special processing No mark: standard ball screw														
轨道长度(mm) Track length(mm)	GSX40: 100,150,200	GSX50: 150,200,250,300	GSX60/60D: 150,200,300,400,500,600	GSX86/86D: 340,440,540,640,740,840,940										
E:轨道特殊加工 无记号:轨道标准型 E:special processing of track no mark: standard track														
滑块数量: 1.2 number of slider:1.2														
滑座型式: A:标准型 Slider form: A: standard														
马达连接法兰: 参考第15~17页 FE: 特殊加工 Motor connection flange: refer to page 15~17 special processing														
E:滑座特殊加工 无记号:滑座标准型 Special processing of the carriage No mark: standard carriage														
无记号:无 S0:只有极限轨道 S1:配 SX671 光电开关 S2:配 SX674 光电开关 S3:配 674 光电开关座、感应片、极限轨道 S4:配 671 光电开关座、感应片、极限轨道														
马达品牌: M:三菱 Y:安川 P:松下 F:富士 T:台达 马达功率: 1M:750W 2M:400W 3M:200W 4M:100W 5M:步进马达 Motor Brand: M: Mitsubishi Y: Yaskawa P: Panasonic F: Fujifilm T: Delta Motor Power: 1M: 750W 2M: 400W 3M: 200W 4M: 100W 5M: Stepping motor														
B:有刹车 未标记:无刹车 B: With brake Unmarked: No brake														
C:铝护盖 无记号:无护盖 C:Aluminum cover No mark: without														

1.4 负载规格 Load specifications



		GSX4002	GSX4002.5	GSX5002	GSX5002.5	GSX6005	GSX6010	GSX8005	GSX8010	GSX8016	GSX8020
公称直径(mm) nominal diameter(mm)		8	12	8	12						
导程(mm) lead(mm)		2	2.5	2	2.5	5	10	05	10	16	20
基本额定负荷(N) basic dyn load(N)		2455	2459	2841	2459	4117	2811	5154	5058	4618	4645
基本静额定负荷(N) basic static load(N)		3182	3178	4446	3178	6175	4016	7054	6952	6235	7655
基本额定负荷(N) basic dyn load(N)	滑座A Slider A	3920		8007	8007	13230				31458	
基本静额定负荷(N) basic static load(N)	滑座A Slider A	6468		12916	12916	21462				50674	
允许静力矩 MP(俯仰)(N·m) permitted static torque (Pitching)	滑座A1 Slider A1	33		118	118	152				622	
允许静力矩 MY(偏摆)(N·m) permitted static torque (Pendulum)	滑座A1 Slider A1	33		116	116	152				622	
允许静力矩 MR(滚动)(N·m) permitted static torque (rolling)	滑座A1 Slider A1	61		222	222	419				1507	

1.5 精度等级 Precision level

单位Unit(mm)

型号 Type	轨道长度 Track length	重复定位精度 Repeatability		定位精度 Positioning		行走平行度 Parallelism of travel		最大启动扭矩(N·cm) Maximum starting torque(N·cm)	
		精密级 Precision grade	一般级 General grade	精密级 Precision grade	一般级 General grade	精密级 Precision grade	一般级 General grade	精密级 Precision grade	一般级 General grade
GSX40	100								
	150	±0.003	±0.01	0.020	—	0.010	—	1.2	0.8
	200								
GSX50	150								
	200	±0.003	±0.01	0.020	—	0.010	—	4	2
	250								
GSX60	300								
	150								
	200	±0.003	±0.01	0.020	—	0.010	—	15	7
GSX86	300								
	400								
	500	±0.003	±0.01	0.025	—	0.015	—	15	7
GSX86	600								
	340								
	440	±0.003	±0.01	0.025	—	0.015	—	15	10
GSX86	540								
	640								
	740								
GSX86	840	±0.003	±0.01	0.030	—	0.020	—	17	10
	940			0.04	—	0.03	—	25	10

1.5 寿命的计算 Life calculation

当GSX工业机器人承受负荷并作运动时，珠槽表面与钢珠因不断地受到循环应力的作用，一旦到达滚动疲劳的临界值，接触面就会开始产生疲劳破坏，并在部分表面发生鱼鳞状薄片的剥落现象，此种现象叫做表面剥离。寿命的定义即为珠道表面及钢珠因材料疲劳而产生表面剥离时的总运行距离。

GSX工业机器人主要由线性滑轨、滚珠螺杆及轴承三个精密元件，其额定寿命的计算公式如下：

When the GSX industrial robot is subjected to load and exercise, the surface of the ball groove and the steel ball are constantly subjected to cyclic stress. Once the critical value of rolling fatigue is reached, the contact surface begins to cause fatigue damage and in some parts of the occurrence of fish-like flake peeling phenomenon, which is called surface stripping. The definition of life is the total running distance of the surface of the ball surface and the surface of the steel ball due to the fatigue of the material.

GSX industrial robots mainly composed by the linear slide, ball screw and bearing three precision components, the rated life of the formula is as follows:

1.5.1 线性滑轨 Linear slide

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

L: 额定寿命 (公里)

L: rated life (km)

C: 基本额定负荷 (N)

C: Basic rated dynamic load (N)

f_t: 接触系数 (参考表格1)f_t: Contact coefficient (refer to table 1)P_n: 工作负荷 (N)P_n: Working load (N)f_w: 负荷系数 (参考表格2)f_w: Load factor (refer to table 2)

表格1 Table 1

滑座形式slip form	接触系数Contact coefficient f _t
A1	1.0
A2	0.81

表格2 table 2

工作环境working environment		负荷系数load factor f _w
负荷状况load condition	速度Velocity (V)	
无冲击力且平滑No impact and smooth	低速Low speed V < 15m/min	1.0-1.5
普通负荷力General load force	中速Medium speed 15 < V < 60m/min	1.5-2
受冲击力及振动By the impact and vibration	高速High speed V > 60m/min	2.0-3.5

1.5.2 滚珠螺杆及轴承 Ball screw and bearing

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

L: 额定寿命 (旋转数)

L: Rated life (Number of revolutions)

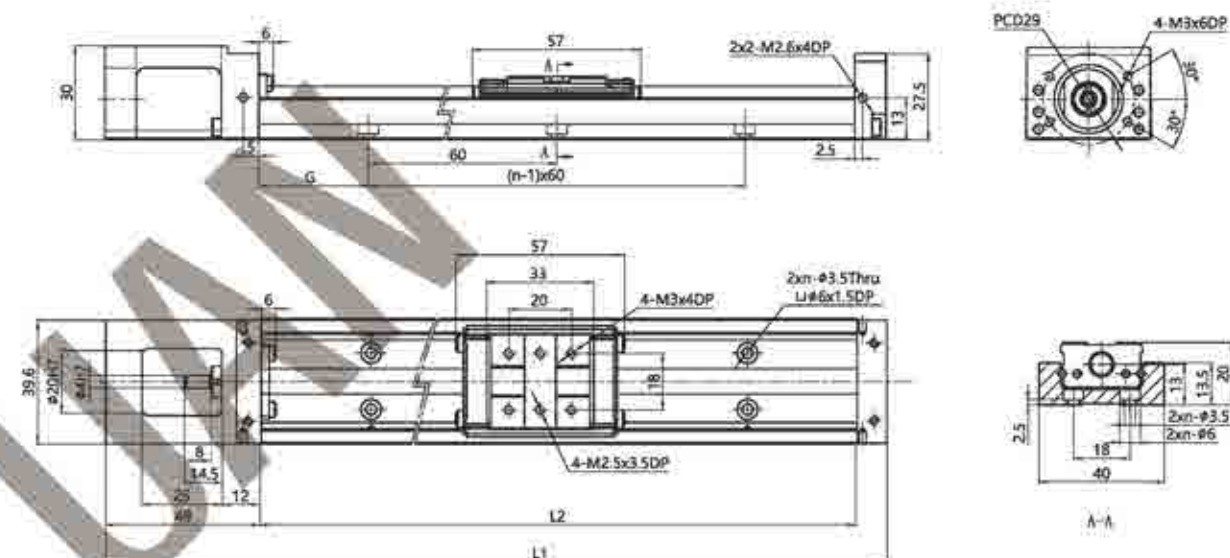
C_a: 基本额定负荷(N)C_a: Basic rated dynamic load(N)f_w: 负荷系数 (参考表格2)f_w: Load factor (refer to table 2)P_{a,n}: 轴向工作负荷(N)P_{a,n}: Axial working load(N)

1.6 最大速度 Maximum speed

型号 Type	滚珠丝杆导程 (mm) Maximum speed (MM)	轨道长度 L2 (mm) Track length L2 (mm)	速度 Speed (mm/sec)	
			精密级 Precision class	一般级 Normal class
GSX40	2	100	360	360
		150	360	360
		200	360	360
	2.5	100	450	450
		150	450	450
		200	450	450
GSX50	2	150	280	280
		200	280	280
		250	280	280
	2.5	150	450	450
		200	450	450
		250	450	450
GSX60	0.5	300	450	450
		150	550	390
		200	550	390
		300	550	390
		400	550	390
		500	550	390
	10	600	340	340
		150	1100	790
		200	1100	790
		300	1100	790
		400	1100	790
		500	1100	790
GSX86	0.5	600	650	650
		340	580	420
		440	580	420
		540	580	420
		640	580	420
		740	570	420
	10	840	570	420
		940	530	330
		340	740	520
		440	740	520
		540	740	520
		640	740	520
	16	740	730	520
		840	780	520
		940	780	520
		340	1185	840
		440	1185	841
		540	1185	842
	20	640	1185	843
		740	1166	844
		840	1166	845
		940	-	688
		340	1480	1050
		440	1480	1050
		540	1480	1050
		640	1480	1050
		740	1480	1050
		840	1480	1050
		940	1220	870

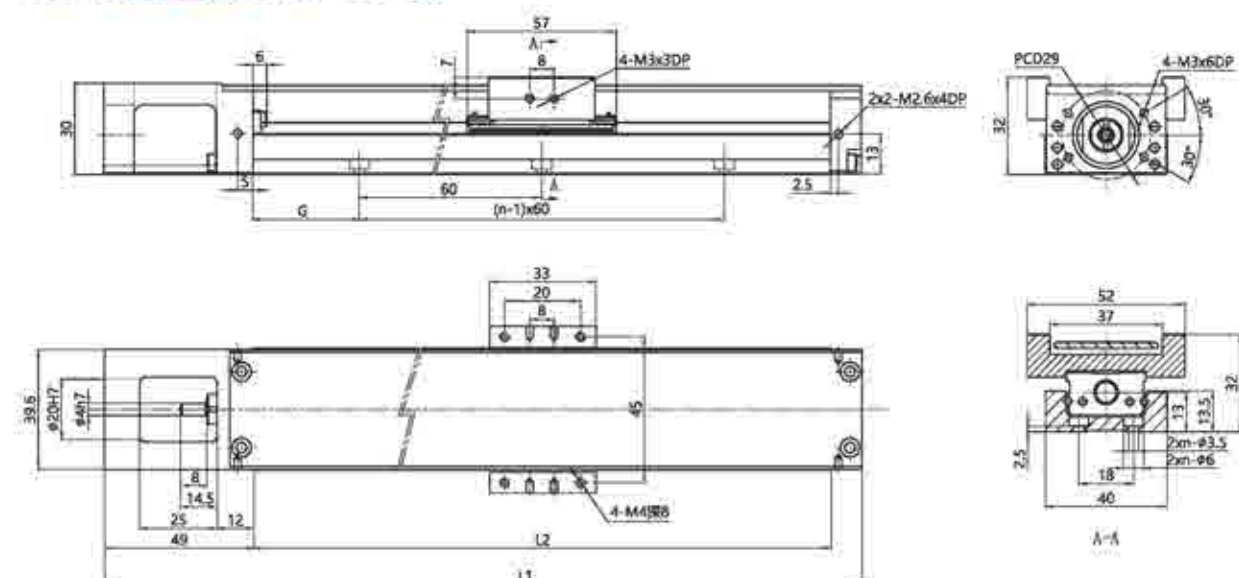
1.7 GSX产品系列 GSX Series

GSX40(不含盖板 Without cover)



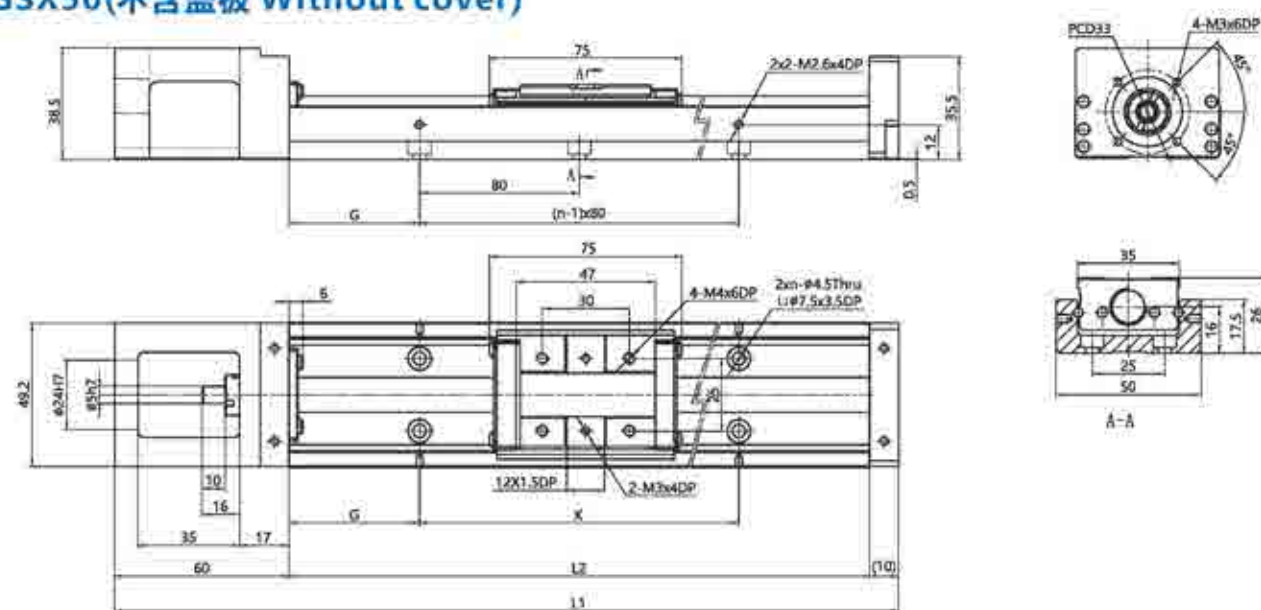
轨道长度 L2 (mm) Track length L2 (mm)	全长 L1 (mm) Total length L1 (mm)	最大行程 maximum travel (mm)		G (mm)	n	重量 weight (kg)	
		A1 滑座 slider	A2 滑座 slider			A1 滑座 slider	A2 滑座 slider
100	159	36	-	20	2	0.48	-
150	209	86	30	15	3	0.63	0.71
200	259	136	80	40	3	0.78	0.86

GSX40(含盖板 With cover)



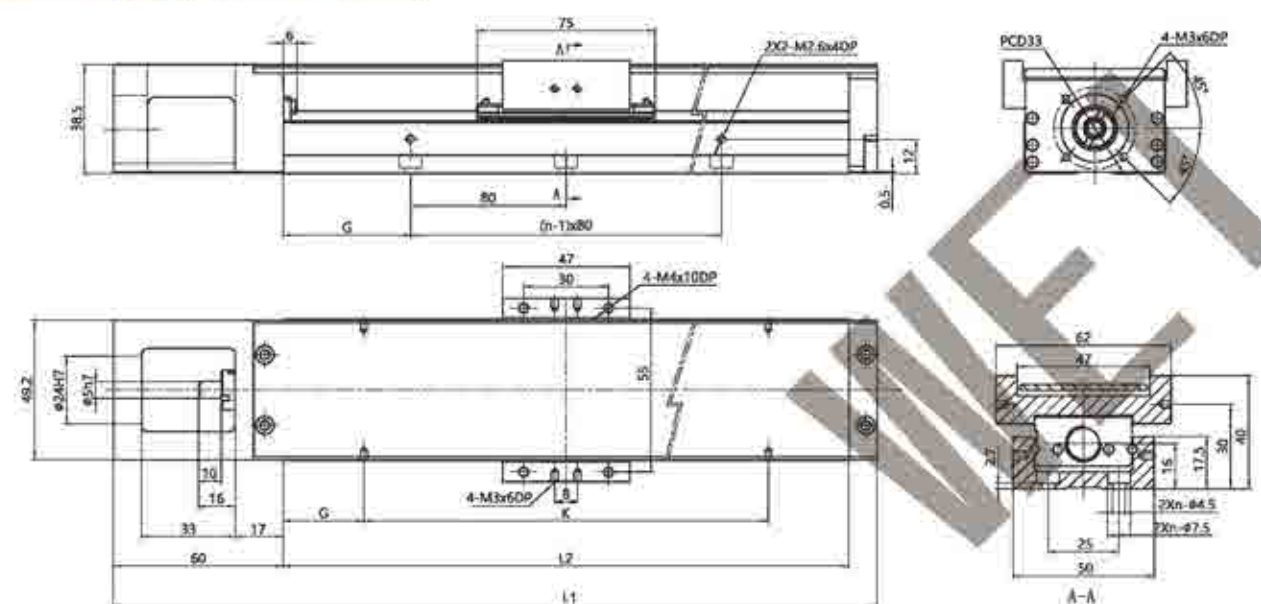
轨道长度 L2 (mm) Track length L2 (mm)	全长 L1 (mm) Total length L1 (mm)	最大行程 maximum travel (mm)		G (mm)	n	重量 weight (kg)	
		A1 滑座 slider	A2 滑座 slider			A1 滑座 slider	A2 滑座 slider
100	159	36	-	20	2	0.55	-
150	209	86	30	15	3	0.7	0.78
200	259	136	80	40	3	0.85	0.93

GSX50(不含盖板 Without cover)



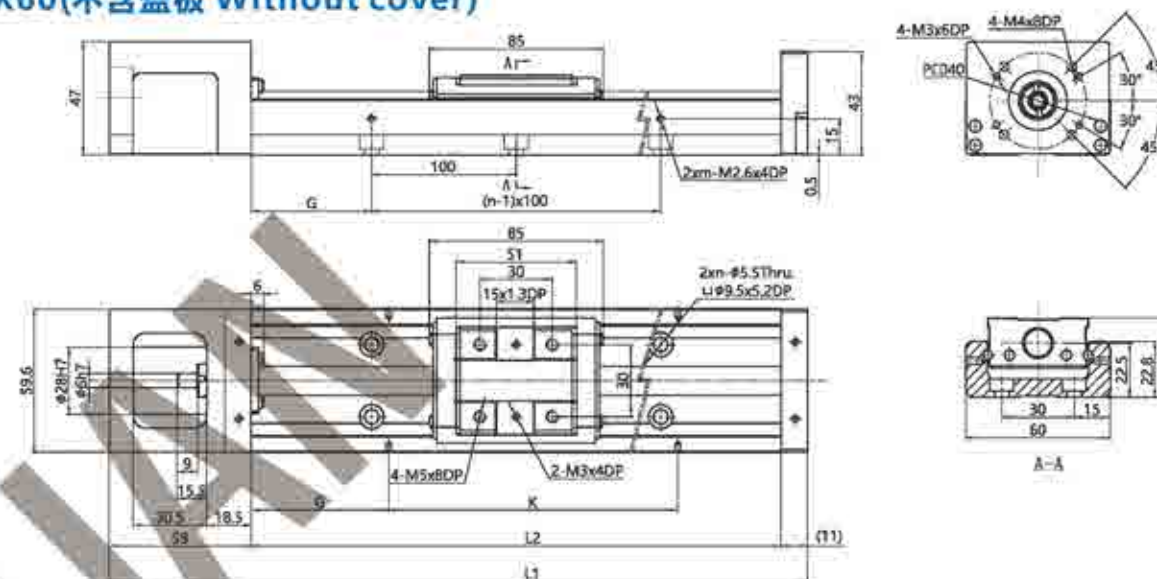
轨道长度L2(mm) Track length L2(mm)	全长L1(mm) Total length L1(mm)	最大行程maximum travel(mm)		G(mm)	K(mm)	n	m	重量weight(kg)	
		A1滑块slider	A2滑块slider					A1滑块slider	A2滑块slider
150	220	70	-	35	80	2	2	1.6	-
200	270	120	55	20	160	3	2	1.5	1.7
250	320	170	105	45	160	3	4	1.7	1.9
300	370	220	155	30	240	4	4	1.9	2.1

GSX50(含盖板 With cover)



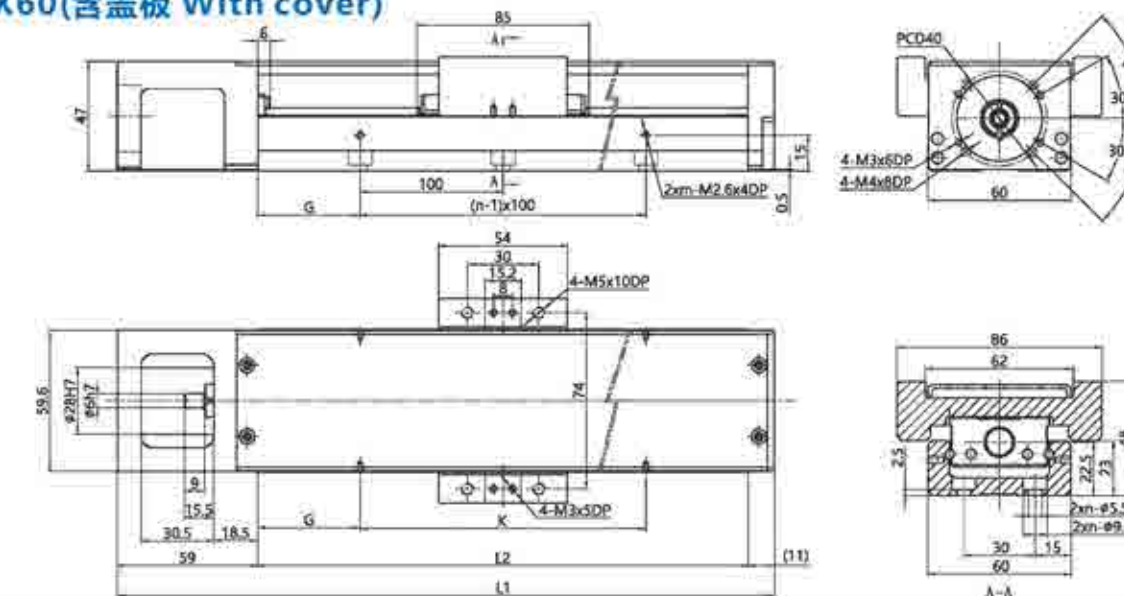
轨道长度L2(mm) Track length L2(mm)	全长L1(mm) Total length L1(mm)	最大行程maximum travel(mm)		G(mm)	K(mm)	n	m	重量weight(kg)	
		A1滑块slider	A2滑块slider					A1滑块slider	A2滑块slider
150	220	70	-	35	80	2	2	1.1	-
200	270	120	44	20	160	3	2	1.6	1.8
250	320	170	94	45	160	3	4	1.9	2.1
300	370	220	144	30	240	4	4	2.2	2.3

GSX60(不含盖板 Without cover)



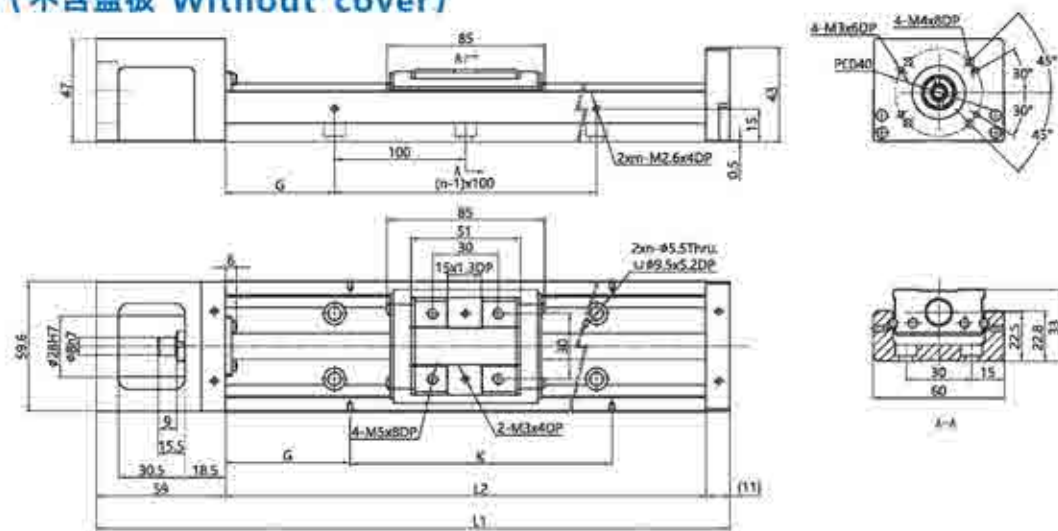
轨道长度L2(mm) Track length L2(mm)	全长L1(mm) Total length L1(mm)	最大行程maximum travel(mm)		G(mm)	K(mm)	n	m	重量weight(kg)	
		A1滑块slider	A2滑块slider					A1滑块slider	A2滑块slider
150	220	60	-	25	100	2	2	1.6	-
200	270	110	-	50	100	2	2	1.7	-
300	370	210	135	50	200	3	2	2.5	2.8
400	470	310	235	50	100	4	4	3.1	3.4
500	570	410	335	50	200	5	3	3.7	4
600	670	510	435	50	100	6	6	4.3	4.7

GSX60(含盖板 With cover)



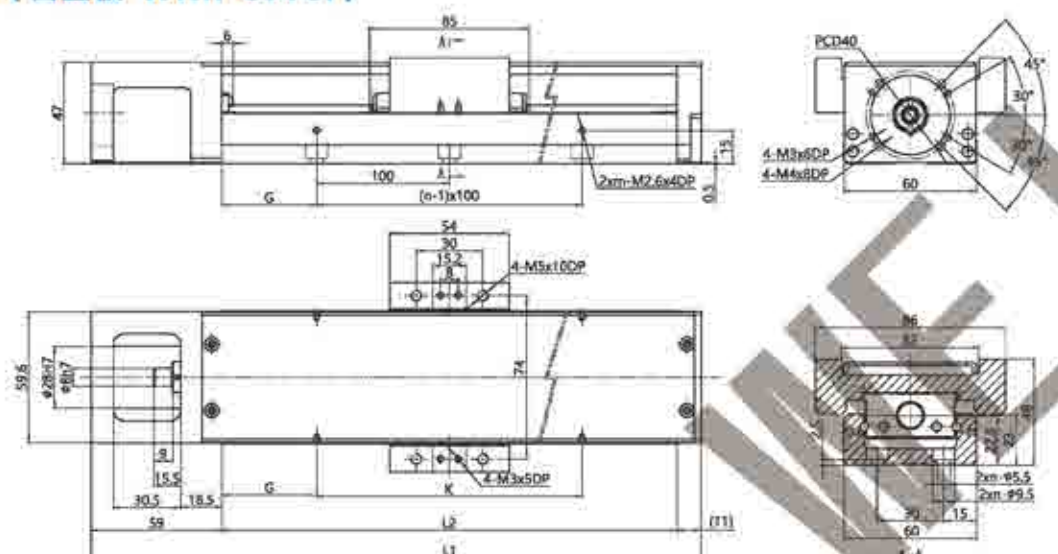
轨道长度L2(mm) Track length L2(mm)	全长L1(mm) Total length L1(mm)	最大行程maximum travel(mm)		G(mm)	K(mm)	n	m	重量weight(kg)	
		A1滑块slider	A2滑块slider					A1滑块slider	A2滑块slider
150	220	60	-	25	100	2	2	1.8	-
200	270	110	-	50	100	2	2	2.2	-
300	370	210	135	50	200	3	2	2.8	3.1
400	470	310	235	50	100	4	4	3.4	3.7
500	570	410	335	50	200	5	3	4	4.3
600	670	510	435	50	100	6	6	4.7	5.1

GSX60D (不含盖板 Without cover)



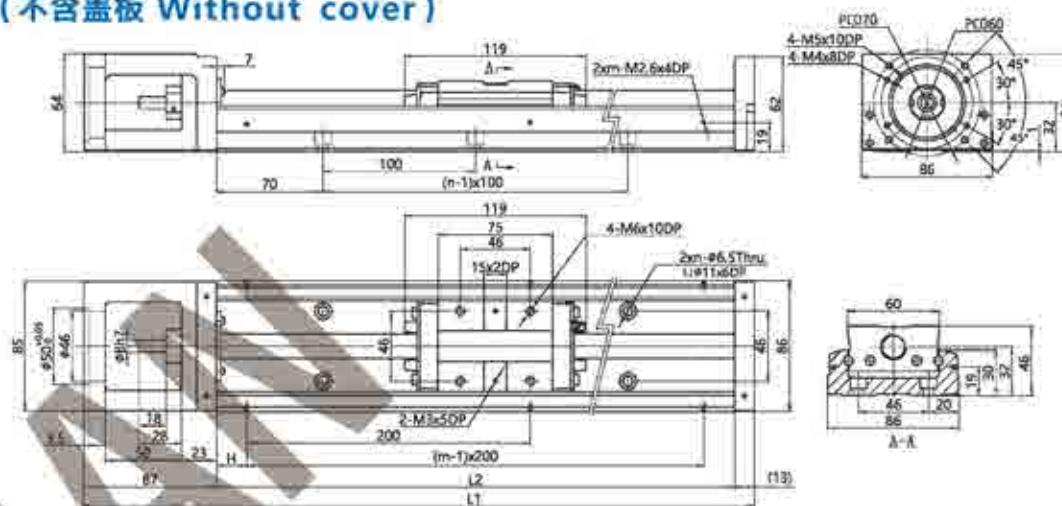
軌道長さ L2: (mm) Track length L2(mm)	全長 L1: (mm) Total length L1(mm)	最大行程 maximum travel (mm)		6mm1	K(mm)	n	m	重量 weight (kg)	
		A1 滑座 slider	A2 滑座 slider					A1 滑座 slider	A2 滑座 slider
150	220	60	-	25	100	2	2	1.6	-
200	270	110	-	50	100	2	2	1.7	-
300	370	210	135	50	200	3	2	2.5	2.8
400	470	310	235	50	100	4	4	3.1	3.4
500	570	410	335	50	200	5	3	3.7	4
600	670	510	435	50	100	6	6	4.3	4.7

GSX60D (含蓋板 With cover)



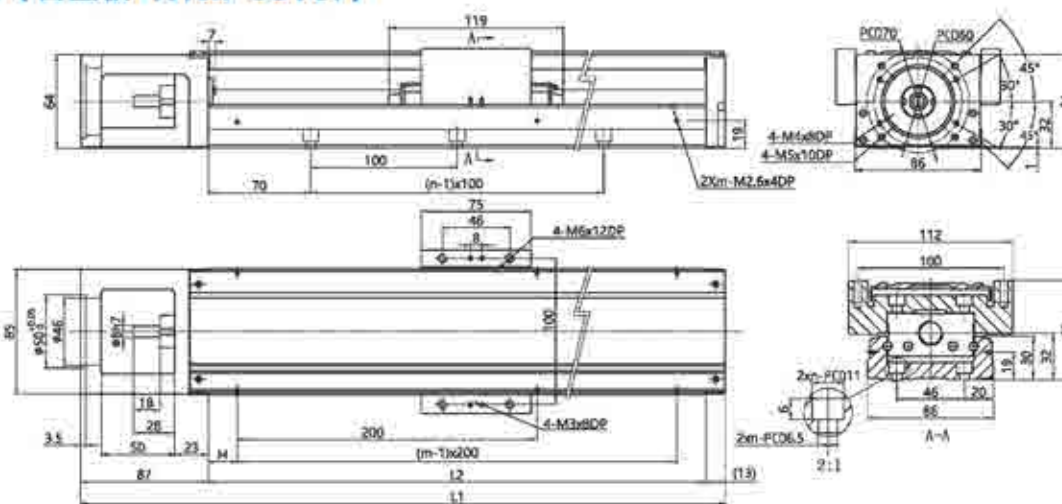
轨道长度 L2 (mm) Track length L2(mm)	全长 L1 (mm) Total length L1(mm)	最大行程 maximum travel (mm)		G(mm)	K(mm)	n	m	重量 weight (kg)	
		A1 侧座 slider	A2 滑座 slider					A1 侧座 slider	A2 侧座 slider
150	220	60	-	25	100	2	2	1.8	-
200	270	110	-	50	100	2	2	2.2	-
300	370	210	135	50	200	3	2	2.8	3.1
400	470	310	235	50	100	4	4	3.4	3.7
500	570	410	335	50	200	5	3	4	4.3
600	670	510	435	50	100	6	6	4.7	5.1

GSX86 (不含盖板 Without cover)



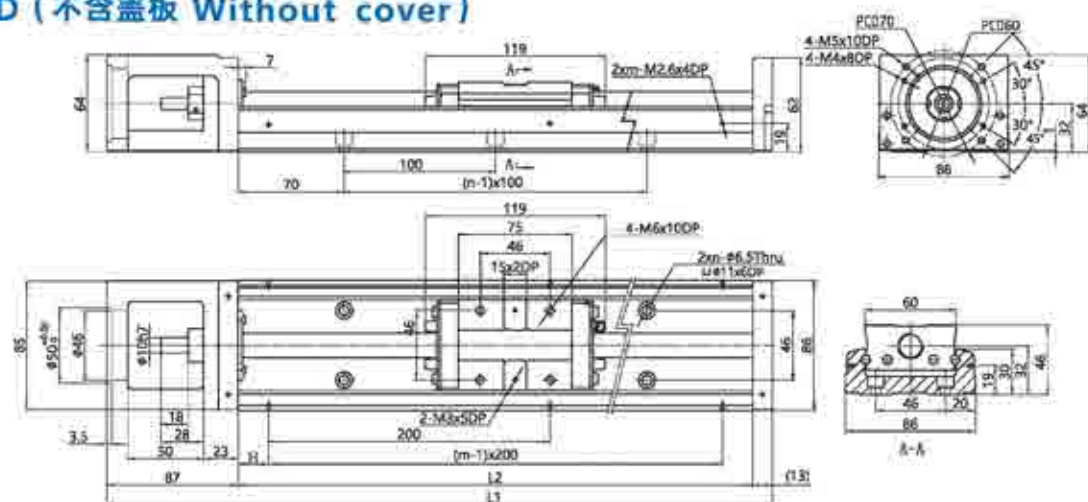
軌道长度 L2 (mm) Track length L2 (mm)	全长 L1 (mm) Total length L1 (mm)	最大行程 maximum travel (mm)		H(mm)	n	m	重量 weight (kg)	
		A1 滑块 slider	A2 滑块 slider				A1 滑块 slider	A2 滑块 slider
340	440	210	95	70	3	2	5.8	6.6
440	540	310	195	20	4	3	7	7.8
540	640	410	295	70	5	3	8.2	9
640	740	510	395	20	6	4	9.4	10.2
740	840	610	495	70	7	4	10.6	11.4
840	940	710	595	20	8	4	11.8	12.6
940	1040	810	695	70	9	5	13	13.8

GSX86 (含蓋板 With cover)



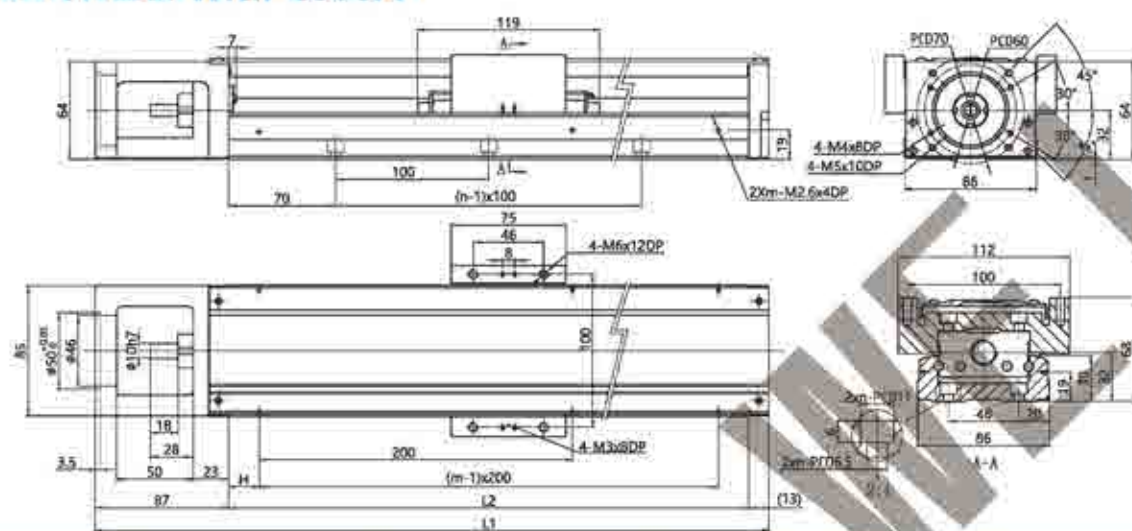
軌道長さ L2 (mm) Track length L2 (mm)	全長 L1 (mm) Total length L1 (mm)	最大行程 maximum travel (mm)		F (mm)	n	m	重量 weight (kg)	
		A1 滑座 slide	A2 滑座 slide				A1 滑座 slide	A2 滑座 slide
340	440	210	95	70	3	2	6.6	7.42
440	540	310	195	20	4	3	7.9	8.74
540	640	410	295	70	5	3	9.2	10.06
640	740	510	395	20	6	4	10.5	11.38
740	840	610	495	70	7	4	11.8	12.7
840	940	710	595	20	8	4	13.1	14.02
940	1040	810	695	70	9	5	14.4	15.34

GSX86D (不含盖板 Without cover)



軌道長度 L2 (mm) Track length L2(mm)	全長 L1 (mm) Total length L1 (mm)	最大行程 maximum travel (mm)		H(mm)	n	m	重量 weight (kg)	
		A1 滑座 slider	A2 滑座 slider				A1 滑座 slider	A2 滑座 slider
340	440	210	95	70	3	2	5.8	6.6
440	540	310	195	20	4	3	7	7.8
540	640	410	295	70	5	3	8.2	9
640	740	510	395	20	6	4	9.4	10.2
740	840	610	495	70	7	4	10.6	11.4
840	940	710	595	20	8	4	11.8	12.6
940	1040	810	695	70	9	5	13	13.8

GSX86D (含蓋板 With cover)



轨道长度 L2 (mm) Track length L2(mm)	全长 L1 (mm) Total length L1 (mm)	最大行程 (maximum travel) (mm)		H(mm)	n	m	重量 weight (kg)	
		A1 滑座 slider	A2 滑座 slider				A1 滑座 slider	A2 滑座 slider
340	440	210	95	70	3	2	6.6	7.42
440	540	310	195	20	4	3	7.9	8.74
540	640	410	295	70	5	3	9.2	10.06
640	740	510	395	20	6	4	10.5	11.38
740	840	610	495	70	7	4	11.8	12.7
840	940	710	595	20	8	4	13.1	14.02
940	1040	810	695	70	9	5	14.4	15.34

1.8 电机座、电机连接法兰与联轴器

Motor base, motor connection flange and coupling

1.8.1 适用电机、联轴器对照表

Comparison table of applicable motors and couplings

型 式 / Type		GSX40C		GSX50C		GSX60C		GSX86C		
		电机连接法兰 Motor connection flange	联轴器 Coupling	电机连接法兰 Motor connection flange	联轴器 Coupling	电机连接法兰 Motor connection flange	联轴器 Coupling	电机连接法兰 Motor connection flange	联轴器 Coupling	
电机编号 / Motor number										
伺服电机 Servo motor	FANUC 发那科	FRL30S2(50W)	F2	SFC-19V	F2	SFC-19V	F2	SFC-26V	F3	SFO-34W
		FRLS102(100W)	-	-	-	-	-	-	-	-
		FRL3200(300W)	-	-	-	-	FE-M5	MP-26	F0/FE-M5	SFO-34W
		FRLS102(400W)	-	-	-	-	-	-	-	-
		FRMS762(750W)	-	-	-	-	-	-	F4	SFC-39W
	松下电机 Panasonic	MSMF5AZ(50W)	F2	SFC-19V	F2	SFC-19V	F2	SFC-26V	F3	SFO-34W
		MSMF012Z(100W)	-	-	-	-	-	-	-	-
		MSMF022Z(300W)	-	-	-	-	FE-M4	SFC-26V MP-26	F1	SFO-34W
		MSMF042Z(400W)	-	-	-	-	-	-	-	-
		MSMF082Z(750W)	-	-	-	-	-	-	F4	SFC-39W
	安川电机 Yaskawa	SGMAV-A5(50W)	F1	SFC-19V	F1	SFC-19V	F1	SFC-26V	F2	SFO-34W
		SGMAV-01(100W)	-	-	-	-	-	-	-	-
		SGMAV-02(200W)	-	-	-	-	FE-M5	MP-26	F0/FE-M5	SFO-34W
		SGMAV-04(400W)	-	-	-	-	-	-	-	-
		SGMAV-08(750W)	-	-	-	-	-	-	FE-M6	SFC-39W
	台达电机 Delta	CT040F(50W)	F1	SFC-19V	F1	SFC-19V	F1	SFC-26V	F2	SFO-34W
C-Δ 0401(100W)		-	-	-	-	-	-	-	-	
C-Δ 0802(300W)		-	-	-	-	FE-M5	MP-26	F0/FE-M5	SFO-34W	
C-Δ 0604(400W)		-	-	-	-	-	-	-	-	
C-Δ 0907(750W)		-	-	-	-	-	-	FE-M6	SFC-39W	
步进电机 Stepper motor	HIWIN	ST40-FRST011	F3	-	F3	-	F5	-	-	
		ST55-FRST021	-	-	-	-	-	-	-	-
		ST55-FRST022	F3	-	F3	-	F5	-	-	-
		ST55-FRST023	-	SFC-19W	-	SFC-19W	-	SFC-26WS	-	-
		ST55-FRST121	-	-	-	-	-	-	-	-
		ST55-FRST122	F3	-	F3	-	F5	-	-	-
		ST55-FRST123	-	-	-	-	-	-	-	-
	雷赛 Leadshine	42HS/CM	F3	-	F3	-	F5	-	-	-
		57HS/CM	-	-	-	-	F4	-	F6	SFO-34W
		86HS/CM	-	-	-	-	-	-	FE-R6	SFO-34W

备注：表格中选择的群检商品题为咸蛋。

Note: The coupling brand selected in the table is WEIYUAN

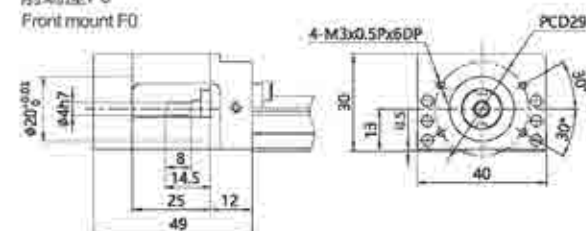
1.8.2 电机座与电机连接法兰

Motor base and motor connection flange

GSX40

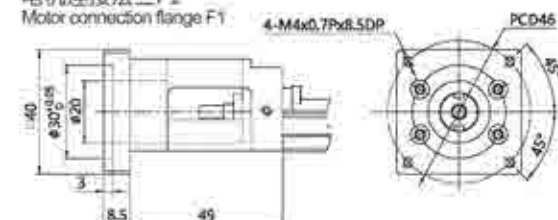
前端座F0

Front mount F0



电机连接法兰F1

Motor connection flange F1



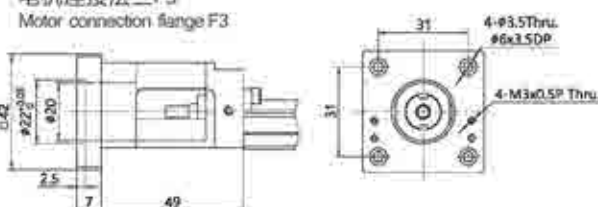
电机连接法兰F2

Motor connection flange F2



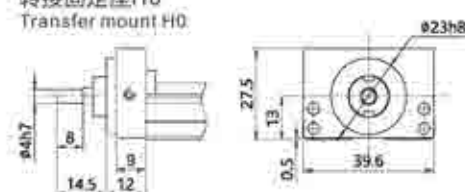
电机连接法兰F3

Motor connection flange F3



转接固定座H0

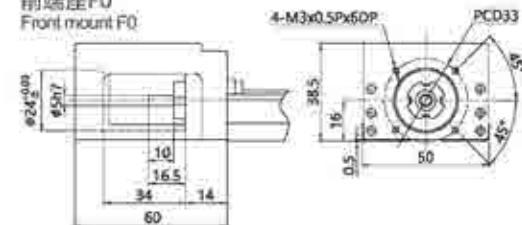
Transfer mount H0



GSX50

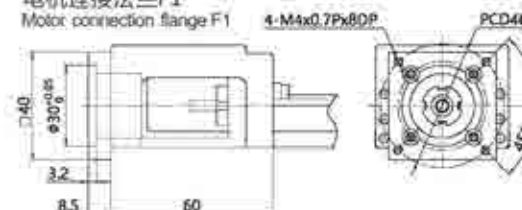
前端座F0

Front mount F0



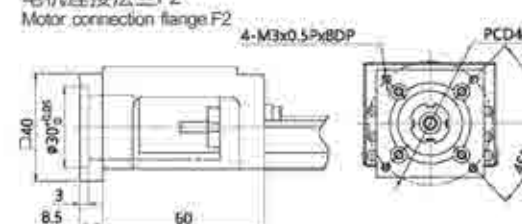
电机连接法兰F1

Motor connection flange F1



电机连接法兰F2

Motor connection flange F2



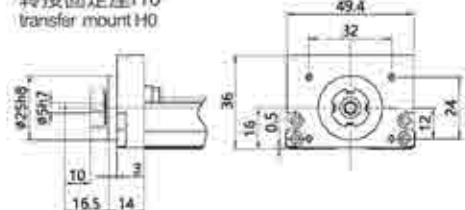
电机连接法兰F3

Motor connection flange F3



转接固定座H0

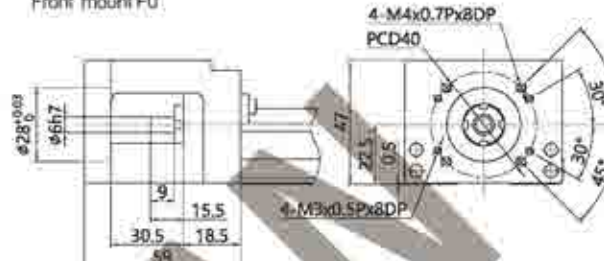
Transfer mount H0



GSX60

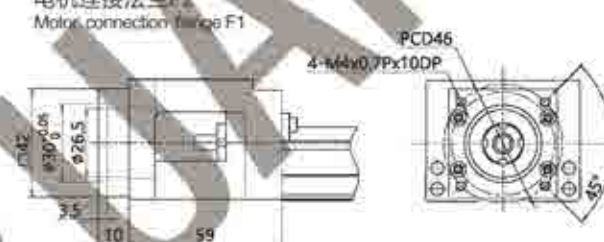
前端座F0

Front mount F0



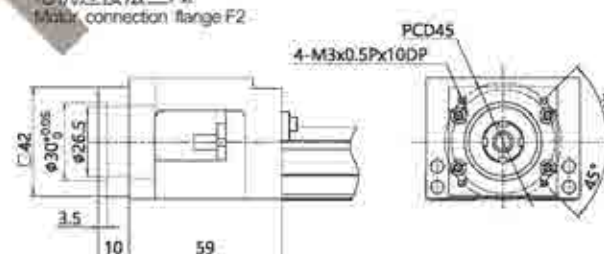
电机连接法兰F1

Motor connection flange F1



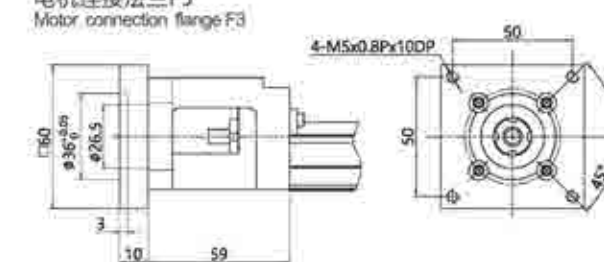
电机连接法兰F2

Motor connection flange F2



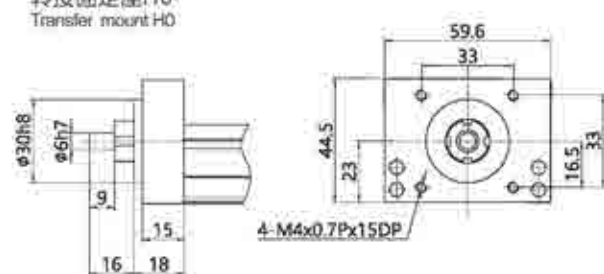
电机连接法兰F3

Motor connection flange F3



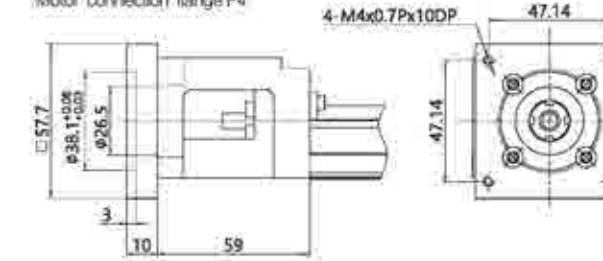
转接固定座H0

Transfer mount H0



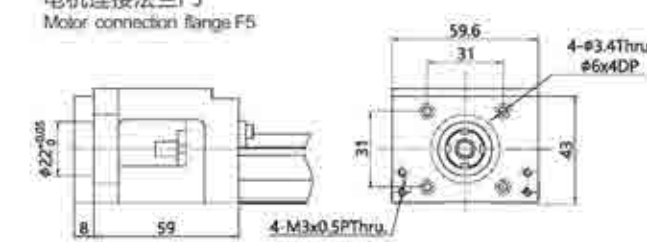
电机连接法兰F4

Motor connection flange F4



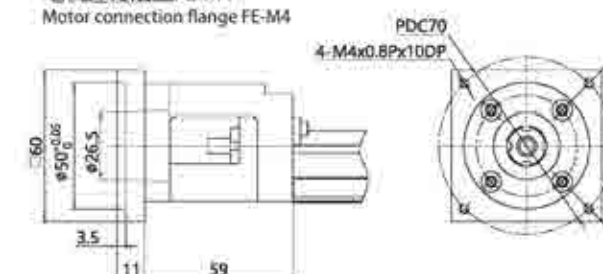
电机连接法兰F5

Motor connection flange F5



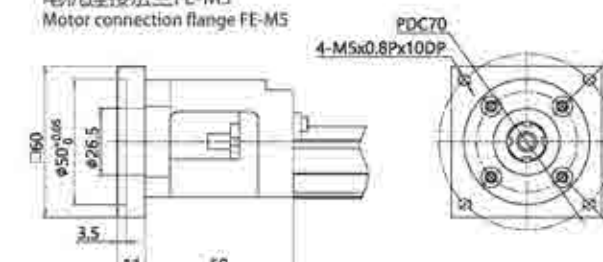
电机连接法兰FE-M4

Motor connection flange FE-M4



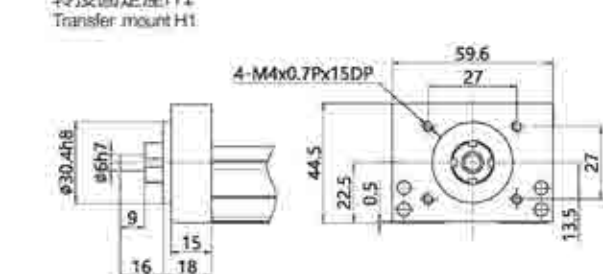
电机连接法兰FE-M5

Motor connection flange FE-M5

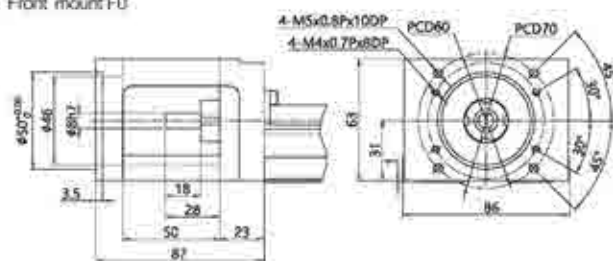
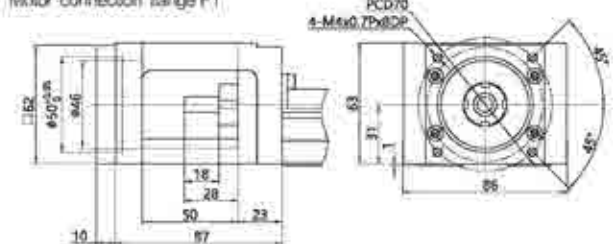
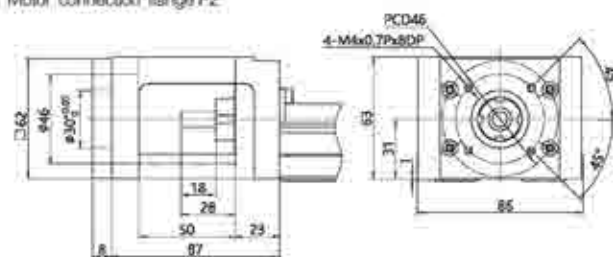
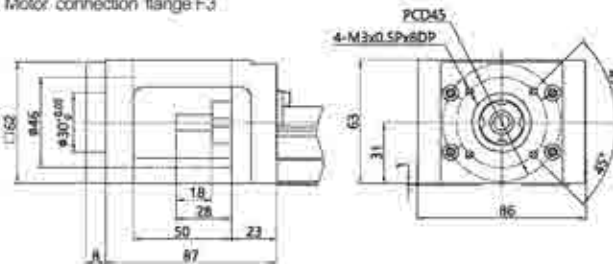
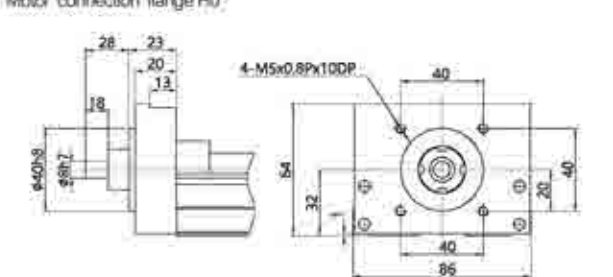
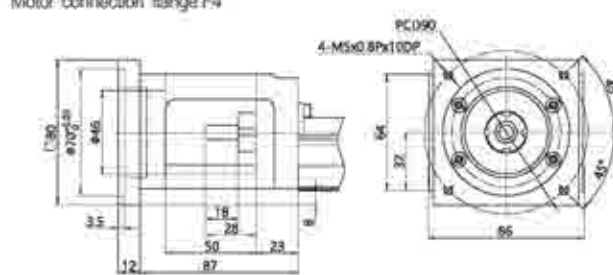
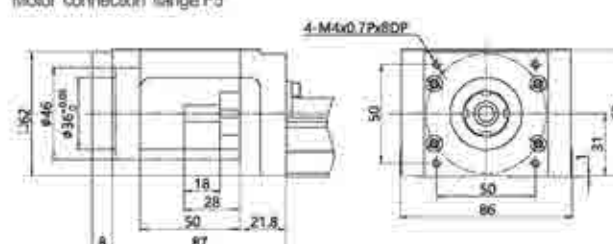
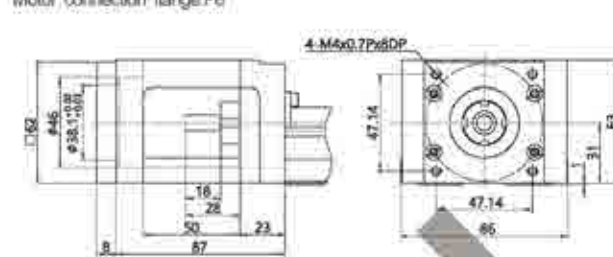
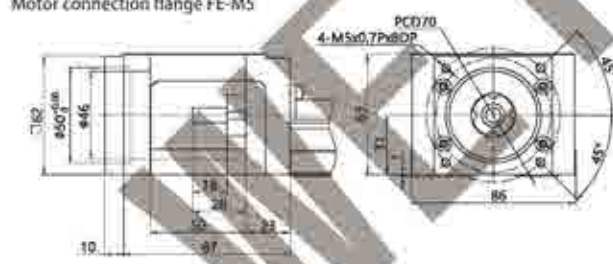
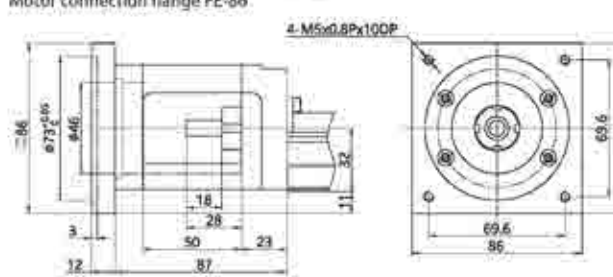


转接固定座H1

Transfer mount H1

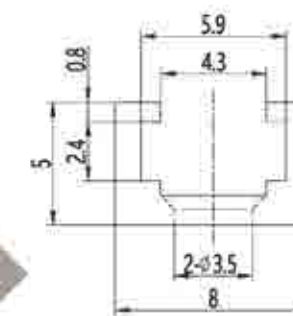


GSX86

前端座F0
Front mount F0电机连接法兰F1
Motor connection flange F1电机连接法兰F2
Motor connection flange F2电机连接法兰F3
Motor connection flange F3电机连接法兰H0
Motor connection flange H0电机连接法兰F4
Motor connection flange F4电机连接法兰F5
Motor connection flange F5电机连接法兰F6
Motor connection flange F6电机连接法兰FE-M5
Motor connection flange FE-M5电机连接法兰FE-86
Motor connection flange FE-86

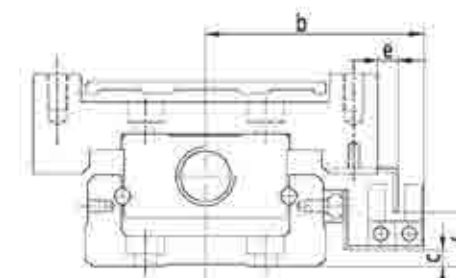
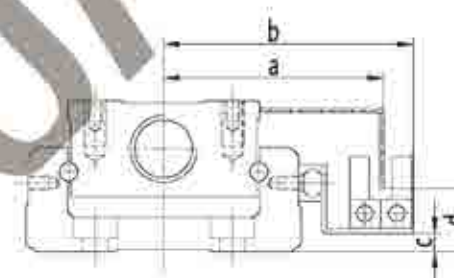
1.9 极限开关 Limit switch

极限滚道 Limit track



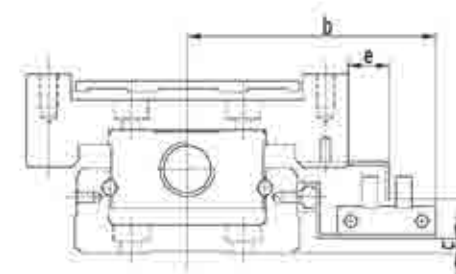
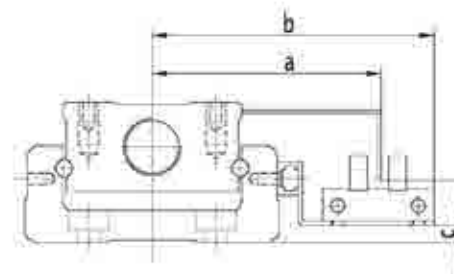
感应器 Sensor

感应器1 Sensor1 : Omron EE-SX674



尺寸 Size	a	b	c	d	e	f
GSX40	36.5	43.1	1	10.5	10.5	10.5
GSX50	41.3	48	1	10.5	10.2	10.5
GSX60	46.2	52.8	4	13.5	3.2	13.5
GSX86	59	65.7	8	18	3	18

感应器2 Sensor2 : Omron EE-SX671



尺寸 Size	a	b	c	d	e	f
GSX40	41.5	54.1	0.5	10.8	15.3	10.8
GSX50	45.5	59	1	11	15	11
GSX60	51	63.8	4	14.5	8	14.5
GSX86	63.5	76.7	8	18	8	18

轨道内嵌式直线模组产品系列 TRACK INLINE LINEAR MODULE PRODUCT LINE

◎ 一体成型化设计的导向系统和传动系统，等高度直线度大幅提升，精度等级为 P3-7

The guidance system and transmission system of integrated molding design, the straightness of equal height is greatly improved, and the accuracy level is P3-7

◎ 底座与滑座一体成型钢材，改善原始铝滑座刚性较差的问题

The base and the sliding seat are formed into steel, which can improve the rigidity of the original aluminum sliding seat

◎ 小的组装尺寸和组装高度，对设备安装所需空间更小

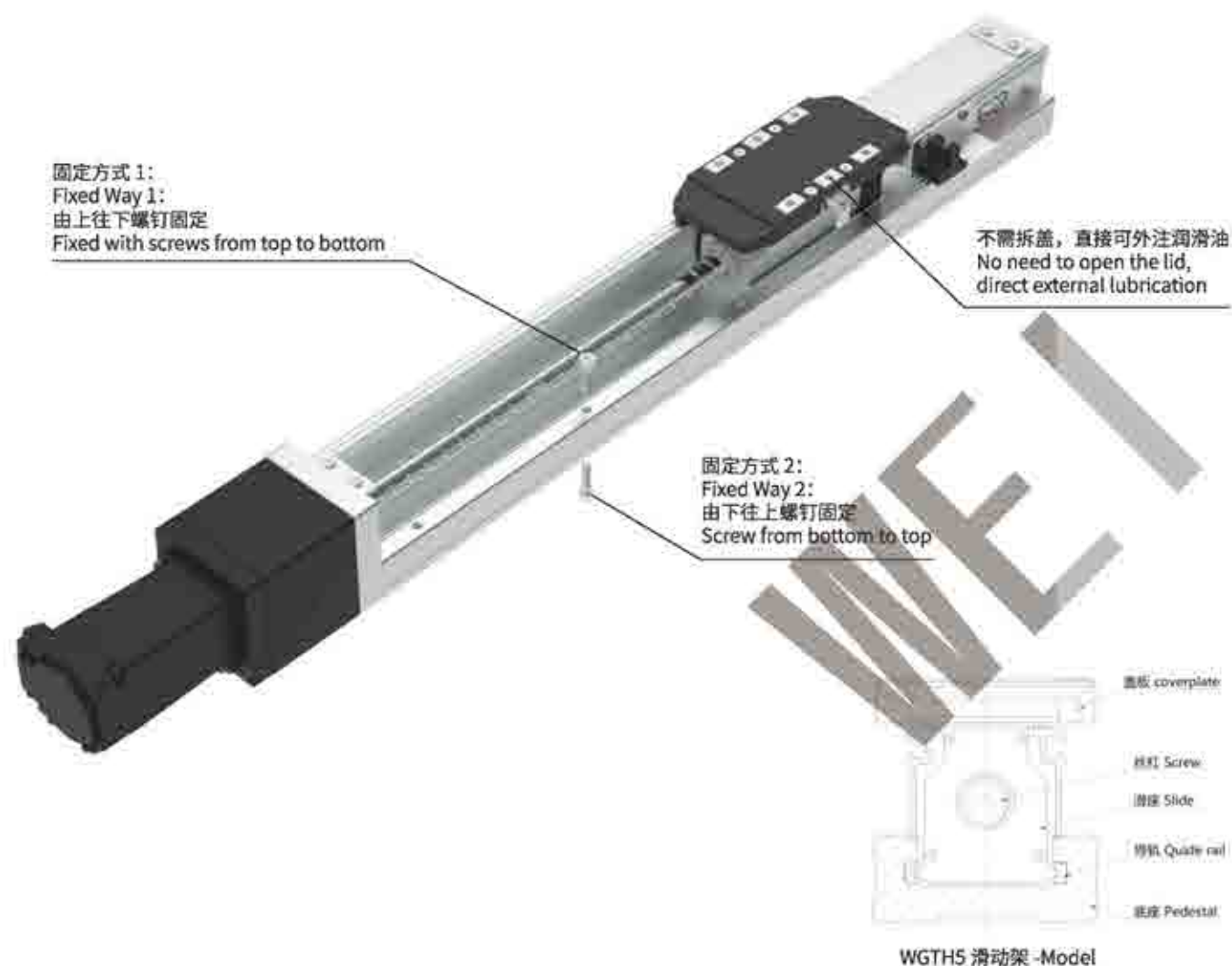
Small assembly size and assembly height, less space required for equipment installation

◎ 柔性不锈钢带设计，模组整体密封防尘效果更佳

Flexible stainless steel belt design, the module overall sealing dust effect is better

◎ 便于保养和低成本维护

Easy maintenance and low cost maintenance



产品性能参数表 Product performance parameter table

型号 Type	螺杆规格 (C7 级) Ball Screw Spec		重复定位精度 Repeatability (mm)	最大负载 (kg) Maximum Payload (kg)		行程范围 Range of travel (mm)	电机功率 Motor Output (W)	最高速度 Maximum Speed (mm/s)
	外径 Outer Diameter (mm)	导程 Lead (mm)		水平使用 Horizontal	垂直使用 Vertical			
WGTH4	10	2	±0.01	25	8	50-800	50/100	100
		5		20	5			250
		10		12	2			500
WGTH5	12	2	±0.01	30	10	50-800	100	100
		5		30	10			250
		10		15	5			500
		20		10	2.5			1000
WGTH5S (双滑台)	12	2	±0.01	30	10	25-325	100	100
WGTH8	16	5	±0.01	50	15	50-110	200/400	250
		10		30	8			500
		20		18	3			1000
WGTH8S (双滑台)	16	5	±0.01	50	15	25-425	200/400	250
WGTH12	16	5	±0.01	110	33	50-1250	400	250
		10		88	22			500
		20		40	10			1000
		32		30	8			1600

标准行程及最高使用速度: Standard travel and maximum service speed

行程 Stroke Type	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	
WGTH4						100						90	80	70	60	50											
						300						270	240	210	180	150											
						600						540	480	420	360	300											
WGTH5						100						90	80	70	60												
						250						270	240	210	180												
						500						450	400	350	300												
						1000						900	800	700	600												
WGTH5S				100																							
WGTH8								250								225	200	175	150	125	100	75					
								500								450	400	350	300	250	200	150					
								1000								900	800	700	600	500	400	300					
WGTH8S					250																						
WGTH12									250								225	200	175	150	125	100	75				
									500								450	400	350	300	250	200	150				
									1000								900	800	700	600	500	400	300				
									1600								1440	1280	1120	1067	1013	960	853	800	747		

1. 最高速度 (mm/s) 以电机最高速度 3000RPM 为基准

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

2. 标准行程内的黑色数字代表该行程内可使用的最高安全速度，若超过此速度，滑台可能会有严重共振产生

Written here is the standard stroke's maximum safe speed, if over this speed, it may cause serious vibration

系列代号: WGT4
Serial number:

滚珠螺杆 (BS) 导程 (mm): L2
Ball screw lead:

行程 Stroke: 100
50-800mm/50 间隔 50mm Pitch
行程 50 时, 仅安装两组光电 When the stroke is 50, only two groups of photoelectric equipment are installed

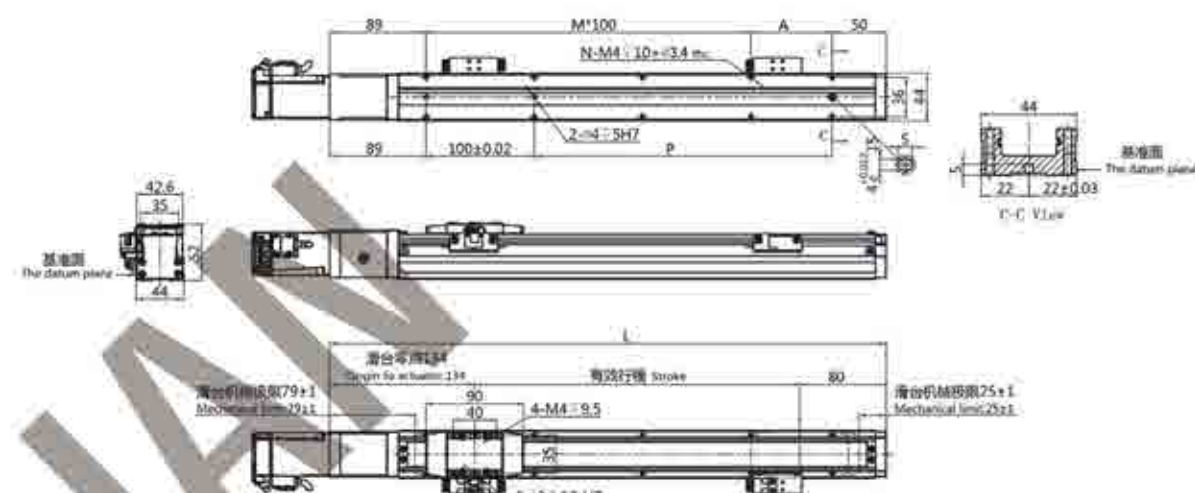
电机连接方式: MF
电机直连 Motor connection
电机左连 Motor left side

电机品牌、功率: M100B
Motor brand, Power output:
M: 三菱 Mitsubishi P: 松下 Panasonic
Y: 安川 Yaskawa T: 台达 Delta B: 带刹车
无则不表示 If no brake, No description

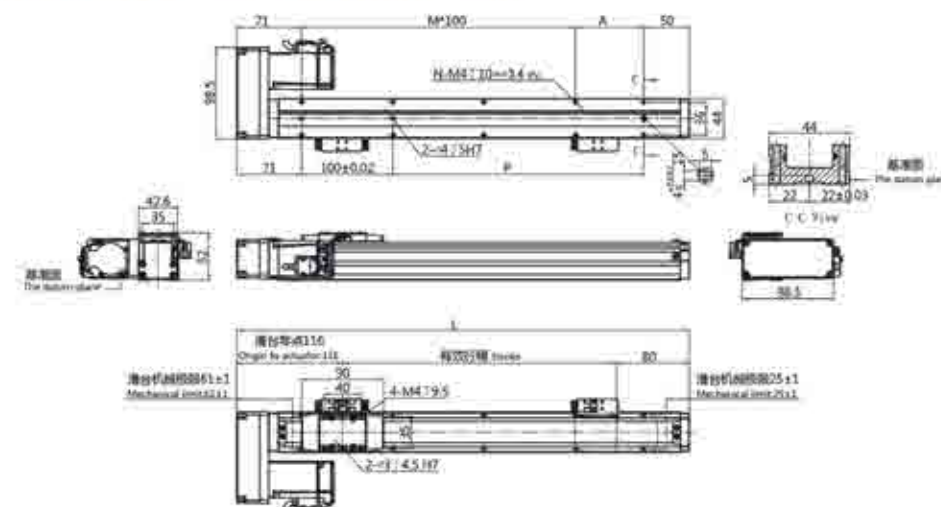
光电开关位置: C 1 2
Photoelectric switch position:
C: 电机侧 Motor side
D: 反电机侧 Opposite motor side
无则不表示 If no brake, No description

零点开关: 1
Zero-point switch:
0: 无 No sensor 1: 1 只 1Pc

极限开关: 2
Limit switch:
无 No sensor 1: 1 只 1Pc 2: 2 只 2Pc

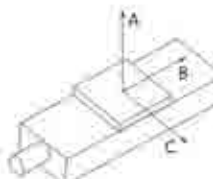


有次行字 Strokes	50	100	150	200	250	300	350	400	450	500	550	600	650	700	750	800
L	254	314	364	414	464	514	564	614	664	714	764	814	864	914	964	1014
A	25	75	25	75	25	75	25	75	25	75	25	75	25	75	25	75
M	1	1	2	2	3	3	4	4	5	5	6	6	7	7	8	8
N	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20
P	25	75	125	175	225	275	325	375	425	475	525	575	625	675	725	775
KG	1.16	1.38	1.6	1.82	2.04	2.26	2.48	2.7	2.92	3.14	3.36	3.58	3.8	4.02	4.24	4.46



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	1.35	1.57	1.79	2.01	2.23	2.45	2.67	2.89	3.11	3.33	3.55	3.77	3.99	4.21	4.43	4.65

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	1.35	1.57	1.79	2.01	2.23	2.45	2.67	2.89	3.11	3.33	3.55	3.77	3.99	4.21	4.43	4.65

规格 Specification	单位 Unit	WGTH5			安装方式 Installation Way	导轨 (mm) Lead	负载 (kg) Load	A(mm)	B(mm)	C(mm)		
WGTH5-MF		WGTH5-M(L/R/D)			 水平安装 Horizontal Use	2	10	900	10	135		
							5	20	700	45	60	
								10	30	550	25	35
									20	10	650	75
					5	20				440	32	45
						10	30			270	32	45
							15	5		600	145	185
								5	10	370	70	85
					8				250	42	52	
						10			320	120	130	
							10		175	55	60	
								2	10	135	100	900
					20				20	60	45	700
						5			30	37	27	550
							10		100	75	650	
								20	20	45	32	420
					30				25	19	260	
						5			180	145	600	
							10		10	85	68	370
								15	180	145	600	
					5				130	120	320	
						20			8	75	70	220
							10		60	55	170	
								2	6	180	-	180
					5				8	135	-	135
						10			110	-	110	
							5		6	145	-	145
								10	8	110	-	110
					10				90	-	90	
						1			800	-	800	
							3		260	-	260	
								5	155	-	155	
					1				600	-	600	
						2			300	-	300	
							2.5		250	-	250	
									</			

系列代号: WGT H5

Serial number: L2

滚珠螺杆 (BS) 导程 (mm): 100

Ball screw lead: 2, 5, 10, 20

行程 Strake: 50-800mm/50 间隔 50mm Pitch (行程 50 吋, 仅安装两组光电 When the stroke is 50, only two groups of photoelectric equipment are installed)

电机连接方式: MF 电机直连 Motor connection, ML 电机左连 Motor left side, MR 电机右连 Motor right side, MD 电机下连 Motor bottom side

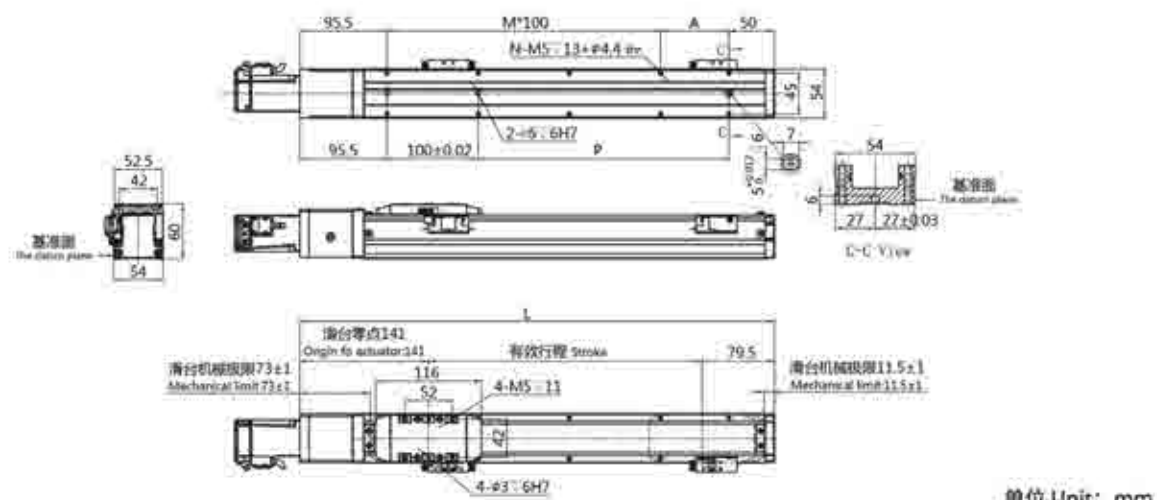
电机品牌、功率: M: 三菱 Mitsubishi, Y: 安川 Yaskawa, P: 松下 Panasonic, T: 台达 Delta, B: 带刹车

光电开关位置: C: 电机侧 Motor side, D: 反电机侧 Opposite motor side, 无则不表示 If no brake, No description

零点开关: 0: 无 No sensor, 1:1 只 1Pc, 2:2 只 2Pc

极限开关: 无 No sensor, 1:1 只 1Pc, 2:2 只 2Pc

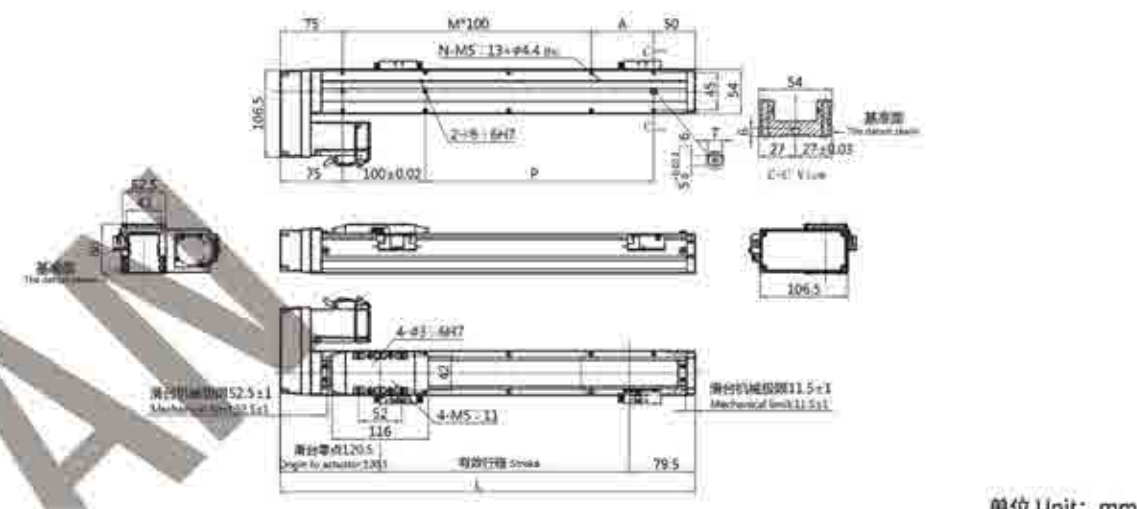
WGTH5-MF 电机直连 Direct motor connection



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	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	2.16	2.37	2.58	2.79	3	3.21	3.42	3.63	3.84	4.05	4.26	4.47	4.68	4.89	5.1	5.31

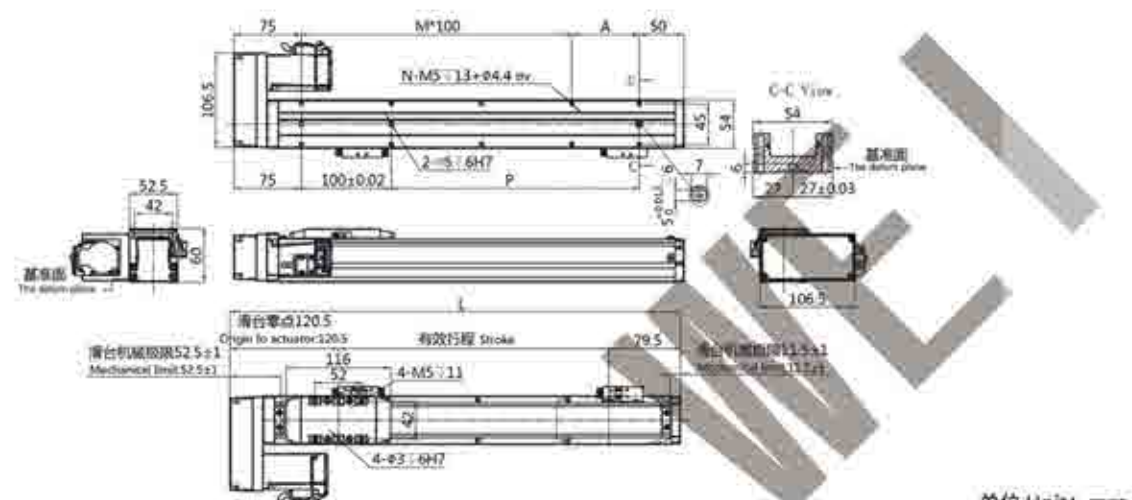
WGTH5-MR 电机右侧连接 Motor right side connection



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	250.5	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
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	2.33	2.54	2.75	2.96	3.17	3.38	3.59	3.8	4.01	4.22	4.43	4.64	4.85	5.06	5.27	5.48

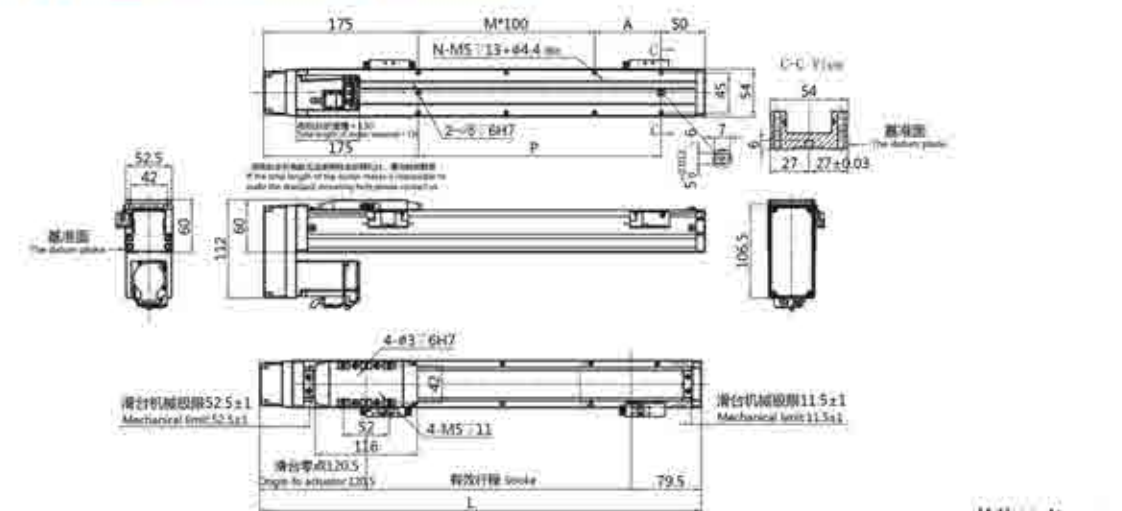
WGTH5-ML 电机左侧连接 Motor left connection



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	250.5	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
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	2.33	2.54	2.75	2.96	3.17	3.38	3.59	3.8	4.01	4.22	4.43	4.64	4.85	5.06	5.27	5.48

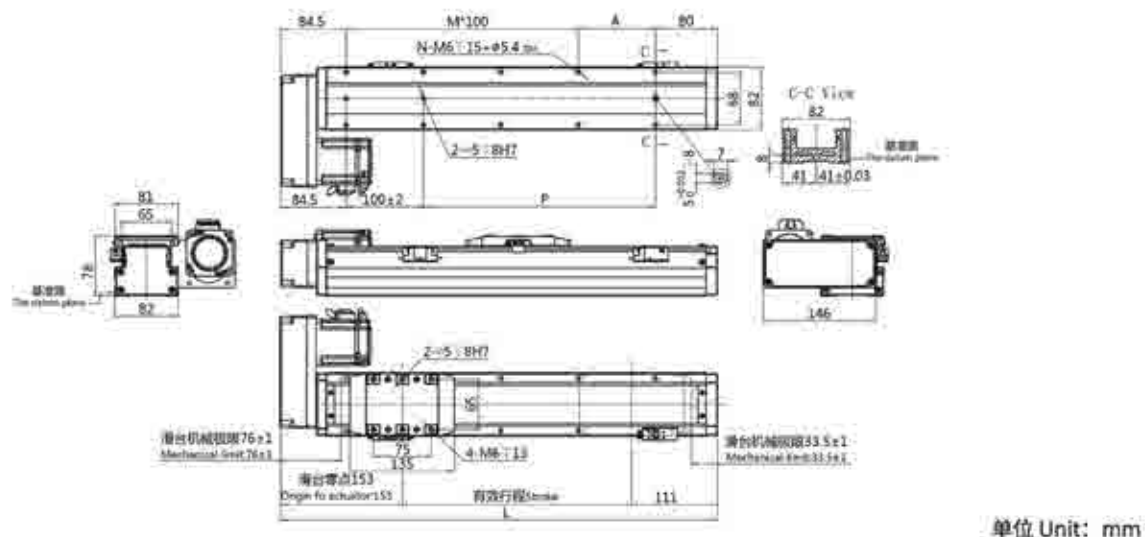
WGTH5-MD 电机下侧连接 Motor down connection



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	250.5	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
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	2.33	2.54	2.75	2.96	3.17	3.38	3.59	3.8	4.01	4.22	4.43	4.64	4.85	5.06	5.27	5.48

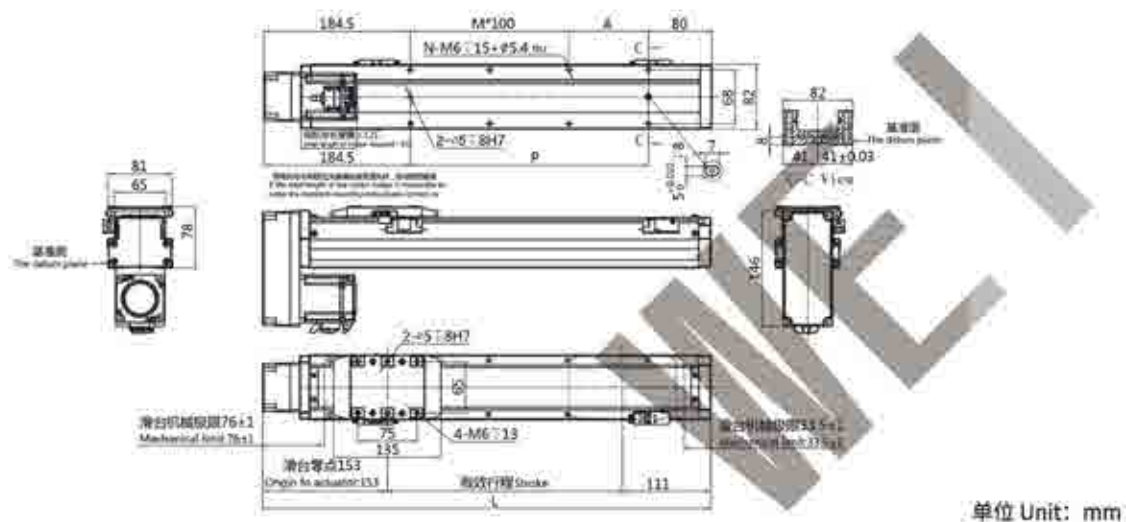
WGTH8-MR 电机右侧连接 Motor right side connection



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	1100
L	314.5	364.5	414.5	461.5	514.5	561.5	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	5.12	5.51	5.9	6.29	6.68	7.07	7.46	7.85	8.24	8.63	9.02	9.41	9.8	10.19	10.58	10.97	11.36	11.75	12.14	12.53	12.92	13.31

WGTH8-MD 电机下侧连接 Motor down connection



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	1100
L	314.5	364.5	414.5	461.5	514.5	561.5	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	11
N	4	4	6	6	8	8	10	10	12	12	14	14	16	16	18	18	20	20	22	22	24	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	5.12	5.51	5.9	6.29	6.68	7.07	7.46	7.85	8.24	8.63	9.02	9.41	9.8	10.19	10.58	10.97	11.36	11.75	12.14	12.53	12.92	13.31

WGTH12

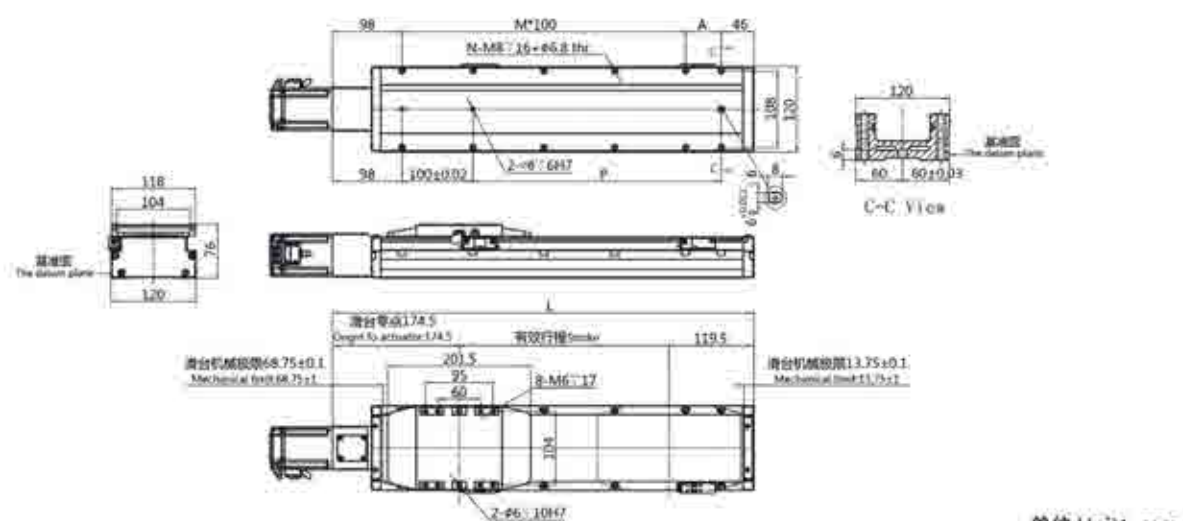
规格 Specification	单位 Unit	WGTH12	安装方式 Installation Way	导程 (mm) Lead	负载 (kg) Load	A(mm)	B(mm)	C(mm)
WGTH12-MF		WGTH12-M(L/R/D)	水平安装 Horizontal Use	5	60	2850	250	340
				10	80	2100	180	250
				20	110	1500	120	170
				32	30	2850	490	600
				5	50	1700	280	350
				10	88	950	140	190
				20	10	3400	1250	1400
				32	22	1650	550	620
				5	40	900	290	330
				10	15	1100	570	550
				20	25	620	330	320
				32	30	520	270	260
滚珠螺杆外径 Ball Screw φ	mm	C7φ16	垂直安装 Wall Installation Use	5	55	280	280	3300
螺杆导程 Ball Screw Lead	mm	5/10/20/32		10	75	200	195	2400
最高速度 Maximum Speed	mm/s	250/500/1000/1600		20	110	130	125	1550
输出功率 Rated Output	W	AC 伺服电机: 400W AC servo motor: 400W		32	35	400	4100	2500
最大负载 Max Load	kg	水平安装 H: 110/88/40/30 垂直安装 V: 33/22/10/8		5	55	245	250	1550
有效行程 Stroke Range	mm	50-1250mm/50 间隔 50mm Pitch		10	88	150	150	950
重复定位精度 Repeatability	mm	±0.01		20	12	900	1070	3000
定格推力 Rated Thrust	N	1388/694/347/218		32	40	260	300	900
联轴器 Coupling	mm	内孔 Inside Hole 10*14		5	15	440	570	1050
感应器 Sensors	外挂 Outside	EE-SX674		10	30	210	270	520
静态容许负载惯量 Static allowable load inertia				20	-	-	-	-
				32	15	1200	-	1200
				5	22	820	-	820
				10	33	550	-	550
				20	10	1600	-	1600
				32	14	1150	-	1150
				5	22	730	-	730
				10	7	1800	-	1800
				20	10	1250	-	1250
				32	5	1600	-	1600
				5	8	1000	-	1000

1. 超过 800 行程时, 速度需要下降, 具体和我司技术中心联系 Decelerate if stroke is exceeded 800, please contact us for more details
2. 电机加速度设定为 0.2 秒 Acceleration and deceleration value is set 0.2 second

产品型号 Product model

WGTH12	L5	100	MF	M400B	C 1 2
系列代号: Serial number:					
滚珠螺杆 (BS) 导程 (mm): Ball screw lead:	5 10 20 32				
行程 Stroke: 50-800mm/50 间隔 50mm Pitch 行程 50 时, 仅安装两组光电 When the stroke is 50, only two groups of photoelectric equipment are installed					
电机连接方式: Motor connection	MF 电机直连 Motor connection ML 电机左连 Motor left side		MR 电机右连 Motor right side MD 电机下连 Motor bottom side		
电机品牌、功率: Motor brand, Power output:	M: 三菱 Mitsubishi Y: 安川 Yaskawa 无 0 表示 If no brake, No description	P: 松下 Panasonic T: 台达 Delta B: 蒂升特 无 0 表示 If no brake, No description			
光电开关位置: Photoelectric switch position:	C: 电机侧 Motor side D: 反电机侧 Opposite motor side 无 0 表示 If no brake, No description				
零点开关: Zero-point switch:	0: 无 No sensor 1: 1 只 1Pc 2: 2 只 2Pc				
极限开关: Limit switch:	无 No sensor 1: 1 只 1Pc 2: 2 只 2Pc				

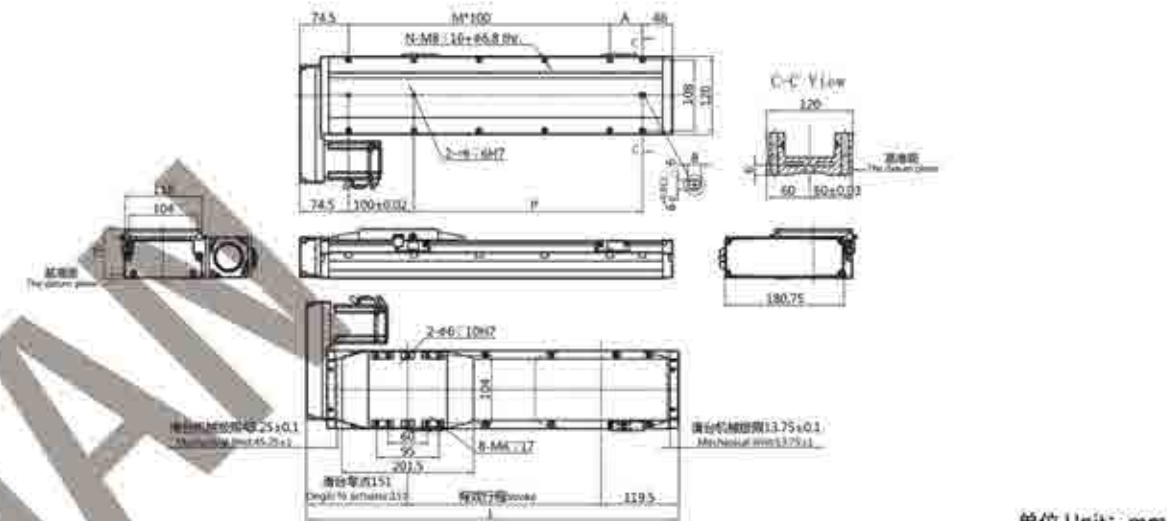
WGTH12-MF 电机直连 Direct motor connection



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	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	5.28	5.71	6.14	6.57	7	7.43	7.86	8.29	8.72	9.15	9.58	10.01	10.44	10.87	11.3	11.73	12.16	12.59	13.02	13.45	13.88	14.31	14.74	15.17	15.6

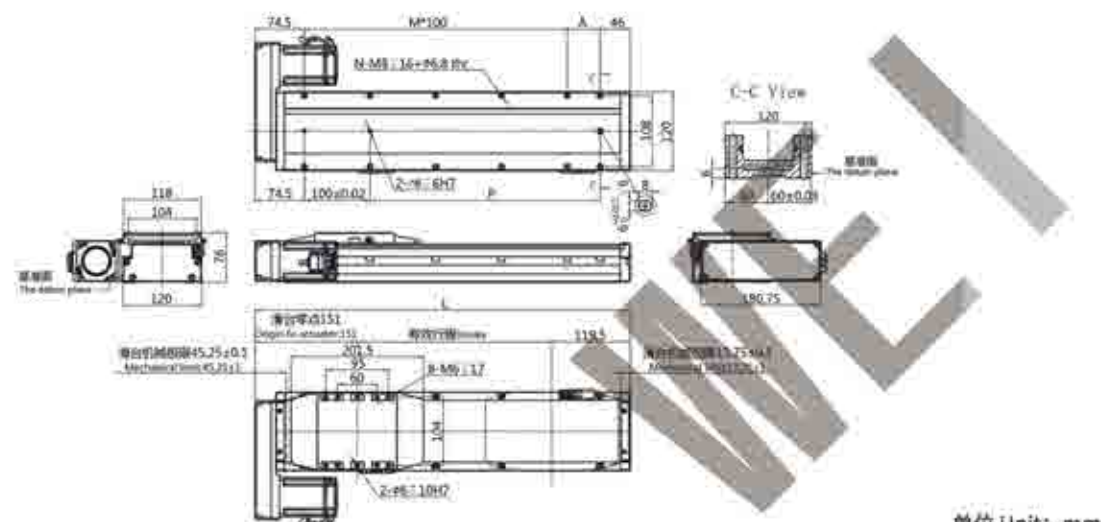
WGTH12-MR 电机右侧连接 Motor right side connection



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	1100	1150	1200	1250
L	370.5	470.5	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	5.43	5.88	6.29	6.72	7.15	7.58	8.01	8.44	8.87	9.3	9.73	10.16	10.59	11.02	11.45	11.88	12.31	12.74	13.17	13.6	14.03	14.46	14.89	15.32	15.75

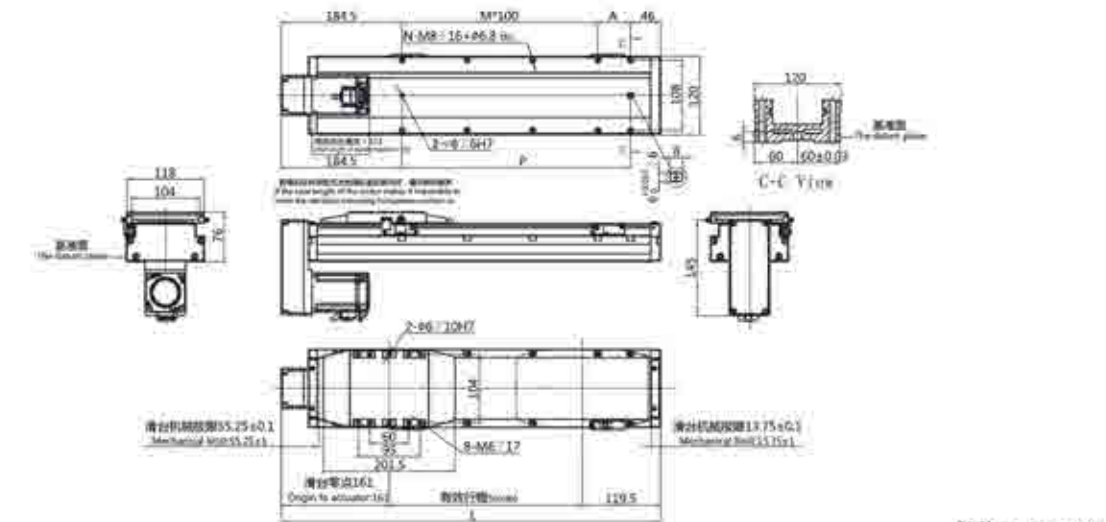
WGTH12-ML 电机左侧连接 Motor left connection



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	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	5.43	5.86	6.29	6.72	7.15	7.58	8.01	8.44	8.87	9.3	9.73	10.16	10.59	11.02	11.45	11.88	12.31	12.74	13.17	13.6	14.03	14.46	14.89	15.32	15.75

WGTH12-MD 电机下侧连接 Motor down connection



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	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	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	5.49	5.92	6.35	6.78	7.21	7.64	8.07	8.5	8.93	9.36	9.79	10.22	10.65	11.08	11.51	11.94	12.37	12.8	13.23	13.66	14.09	14.52	14.95	15.38	15.81