



中空旋转平台

动力传动专业制造商

PROFESSIONAL MANUFACTURER OF POWER TRANSMISSION

设计理念: 遵循规律, 总是超越

DESIGN PHILOSOPHY: To follow the law, but always beyond.

经营理念: 为客户需求而设计, 为客户满意而执着

BUSINESS PHILOSOPHY: Design for customer demand, dedication for customer satisfaction

Testing Center

检测中心

品质管控 精益求精

Quality control and Excellence

我们有一支专业的品质管理团队，运用科学的品质管理标准，借助“三坐标、高度仪、投影仪”等先进的检测设备，对产品在各个环节的质量实行严格管控，确保为客户提供优质产品。

We have a professional quality management team, using scientific quality management standards, with the help of advanced testing equipment such as "three coordinates, altimeter, projector", etc., to strictly control the quality of products in all aspects to ensure that we provide customers with quality products .





Contents

目录索引

SFLT Series



SFLTJ Series



SFLTZ Series



SFLM Series



SFLMD Series



SFLN Series



SFLM Series

Right-angle Hollow Rotating Platform

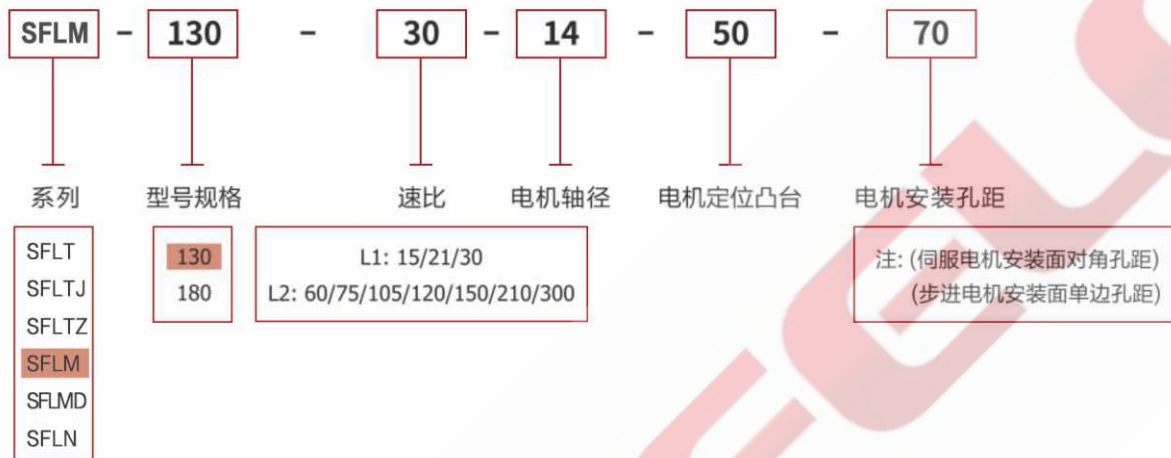
直角型中空旋转平台



04

订货型号标示

ORDERING REPRESENTATION



技术参数

Technical Parameter

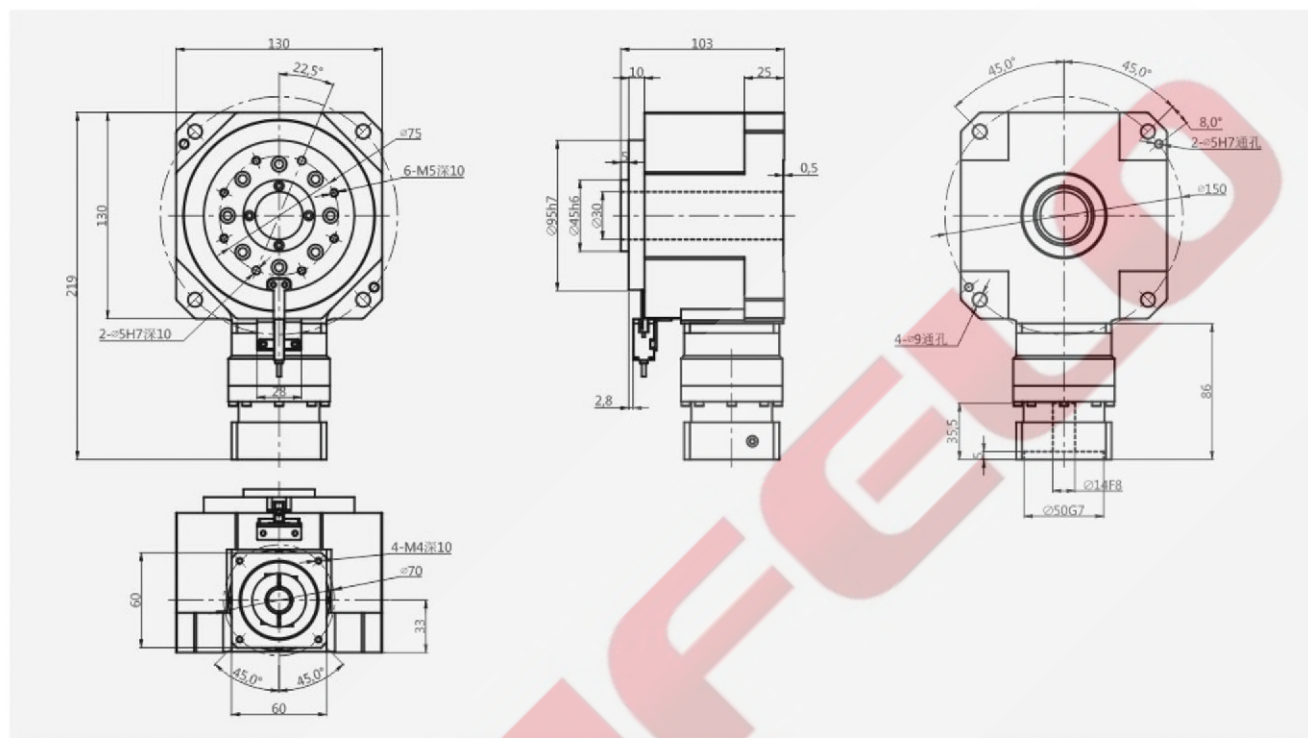
型号 Model			SFLM130-L1					SFLM130-L2				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing									
减速比	Reduction ratio	i	15	21	30	60	75	105	120	150	210	300
额定输出扭矩	Rated output torque	N.m	50	40	30	50	50	50	50	50	40	30
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque									
定位精度	Positioning accuracy	arc-min	≤1					≤3				
反复定位精度	Repeated positioning accuracy	arc-sec	≤30				≤60					
容许盘面转速	Allowable disk speed	rpm	200 (间歇运转) Intermittent operation									
适配伺服马达	Adapt to servo motor	W	200-400									
适配步进马达	Suitable for stepping motor		57 步进 Stepper									
容许轴向负载	Allowable axial load	N	5300									
容许径向负载	Allowable radial load	N	5300									
设计承重	Design load	Kg	30									
容许惯性力矩	Allowable moment of inertia	N.m	30									
扭转刚性	Torsional rigidity	N.m/arcmin	28									
倾覆力矩	Overturning moment	N.m	520									
精度寿命	Accuracy life	h	20000h (间歇运转) Intermittent operation									
防护等级	Protection level	IP	54									
润滑方式	Lubrication method		长效润滑 Long-term lubrication									
安装方式	Installation method		任意 Arbitrary									
旋转平台同心度	Concentricity of rotating platform	mm	≤0.01									
旋转平台平行度	Parallelism of rotating platform	mm	≤0.01									
传动效率	Transmission efficiency	%	95					90				
噪音	Noise	db	≤57					≤57				
重量	Weight	kg	6.2					6.8				

 旋转平台平行度有更高要求请联系我司销售人员
 If the parallelism of the rotating platform has higher requirements, please contact our sales staff

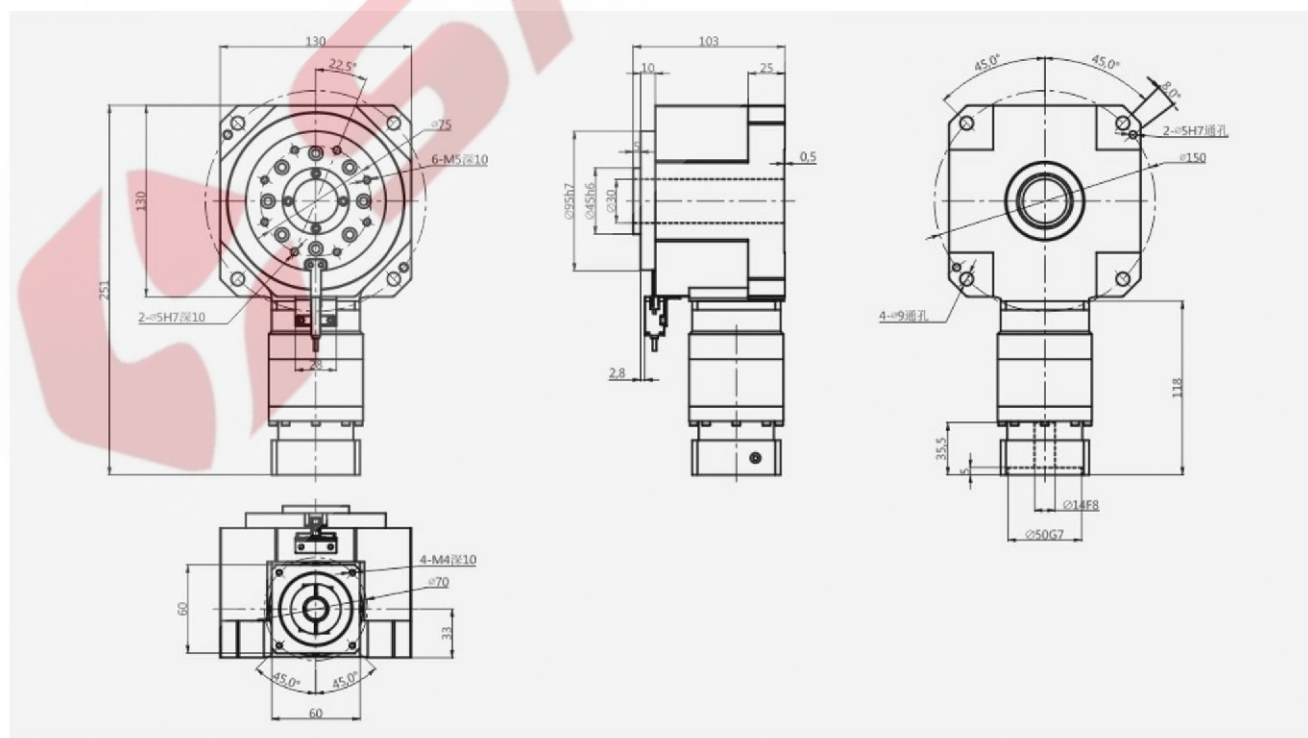
外形尺寸图表

OUTLINE DIMENSIONAL

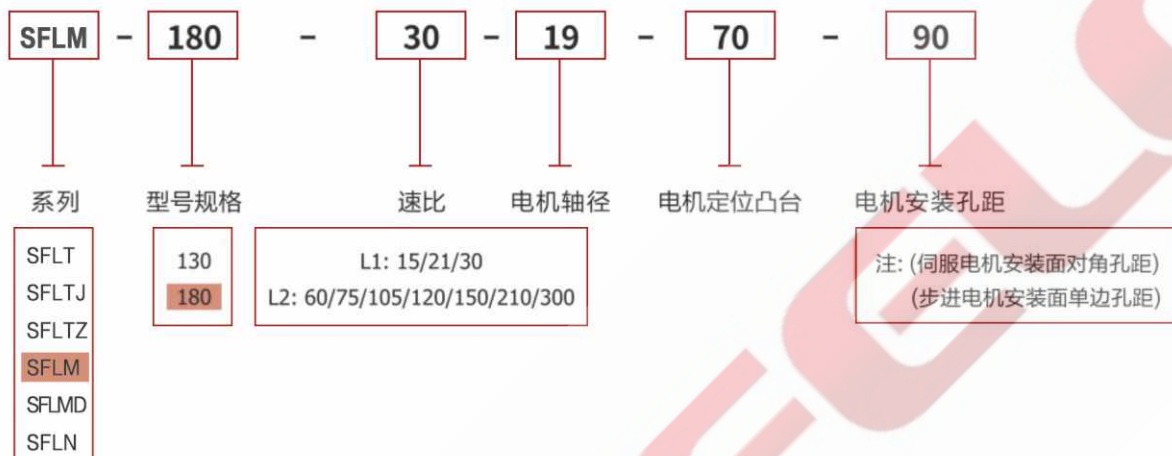
SFLM130-L1 配400W伺服接口



SFLM130-L2 配400W伺服接口



* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。



技术参数

Technical Parameter

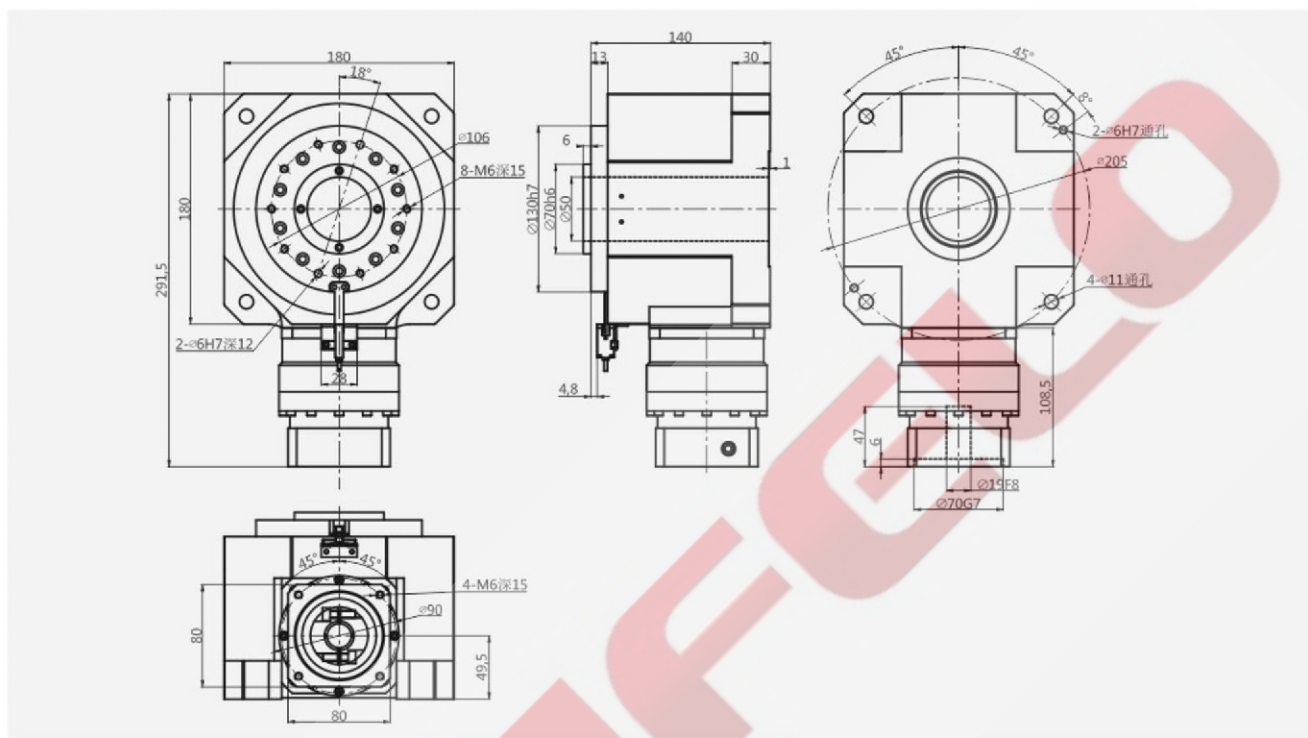
型号 Model			SFLM180-L1			SFLM180-L2						
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing									
减速比	Reduction ratio	i	15	21	30	60	75	105	120	150	210	300
额定输出扭矩	Rated output torque	N.m	130	110	60	130	130	130	130	130	110	60
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque									
定位精度	Positioning accuracy	arc-min	≤1			≤3						
反复定位精度	Repeated positioning accuracy	arc-sec	≤30			≤60						
容许盘面转速	Allowable disk speed	rpm	200 (间歇运转) Intermittent operation									
适配伺服马达	Adapt to servo motor	W	750									
适配步进马达	Suitable for stepping motor		86 步进 Stepper									
容许轴向负载	Allowable axial load	N	8500									
容许径向负载	Allowable radial load	N	8500									
设计承重	Design load	Kg	60									
容许惯性力矩	Allowable moment of inertia	N.m	60									
扭转刚性	Torsional rigidity	N.m/arcmin	50									
倾覆力矩	Overturning moment	N.m	1230									
精度寿命	Accuracy life	h	20000h (间歇运转) Intermittent operation									
防护等级	Protection level	IP	54									
润滑方式	Lubrication method		长效润滑 Long-term lubrication									
安装方式	Installation method		任意 Arbitrary									
旋转平台同心度	Concentricity of rotating platform	mm	≤0.01									
旋转平台平行度	Parallelism of rotating platform	mm	≤0.01									
传动效率	Transmission efficiency	%	95			90						
噪音	Noise	db	≤63			≤63						
重量	Weight	kg	16			17.6						



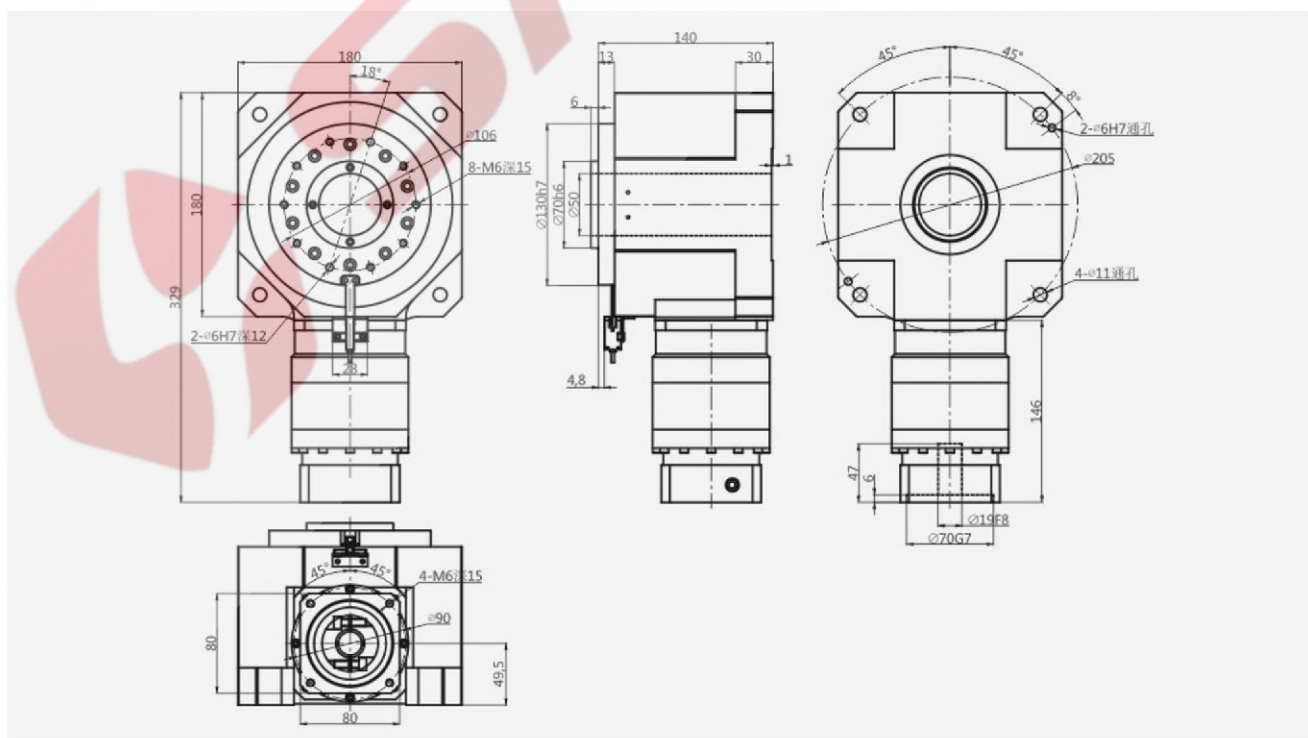
旋转平台平行度有更高要求请联系我司销售人员

If the parallelism of the rotating platform has higher requirements, please contact our sales staff

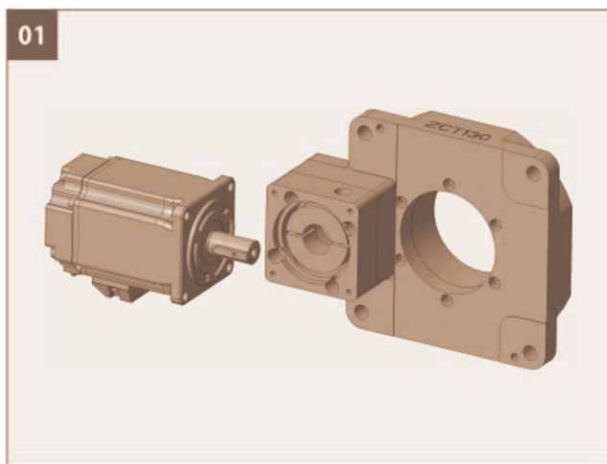
SFLM180-L1 配750W伺服接口



SFLM180-L2 配750W伺服接口

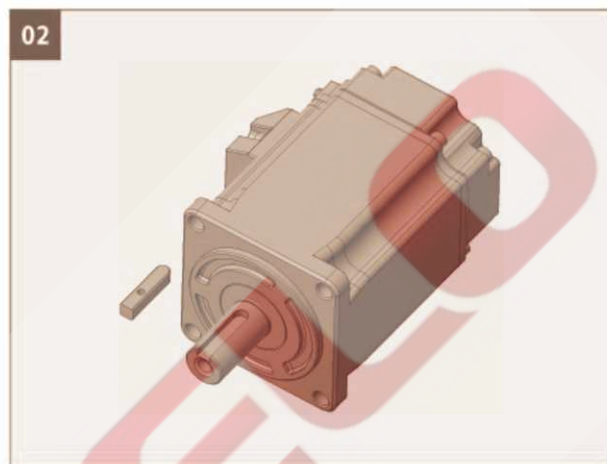


* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。



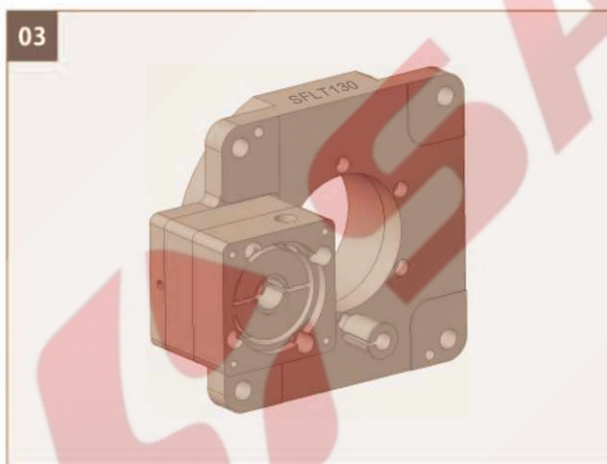
先确认马达和旋转平台是否完好。核对马达与旋转平台连接尺寸是否正确，并将两者配合面擦拭干净。

First confirm whether the motor and rotating platform are in good condition. Check whether the connection size between the motor and the rotating platform is correct, and wipe the mating surfaces of the two clean.



取下马达上原有的平键。

Remove the original flat key on the motor.



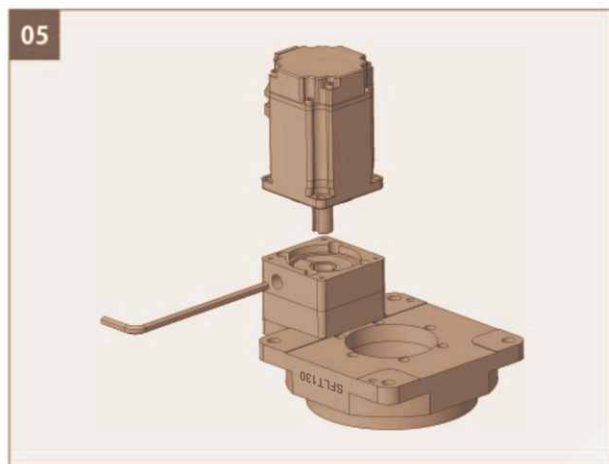
确定马达轴径，如需轴套，请先装进入力孔内，并与锁紧环的开槽口对齐。

Determine the motor shaft diameter. If a shaft sleeve is required, please install it into the force hole first and align it with the notch of the locking ring.



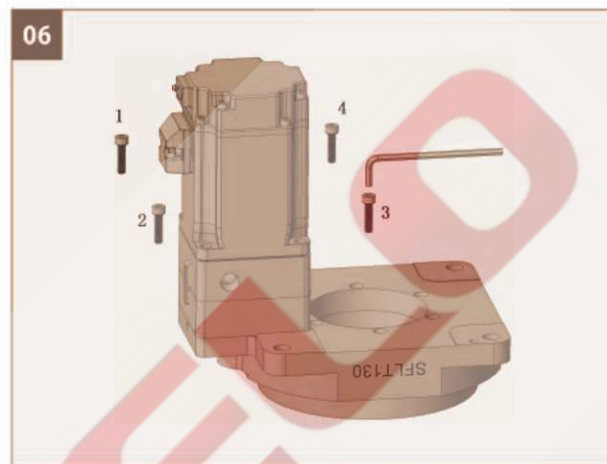
取出塞头，调整输入轴锁紧环使其紧固螺丝与塞头孔对齐，插入内六角扳手。

Take out the plug, adjust the input shaft locking ring so that the tightening screw is aligned with the plug hole, and insert an Allen key.



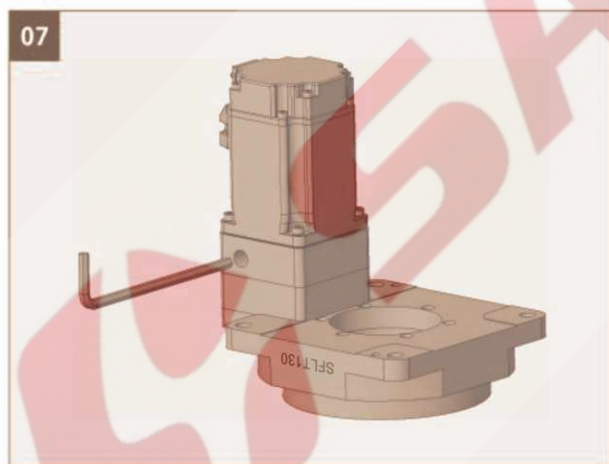
将马达垂直与旋转平台自然连接，严禁敲打。防止轴向力过大损坏轴承或齿轮。

Connect the motor vertically to the rotating platform naturally, and no beating is allowed. To prevent excessive axial force from damaging bearings or gears.



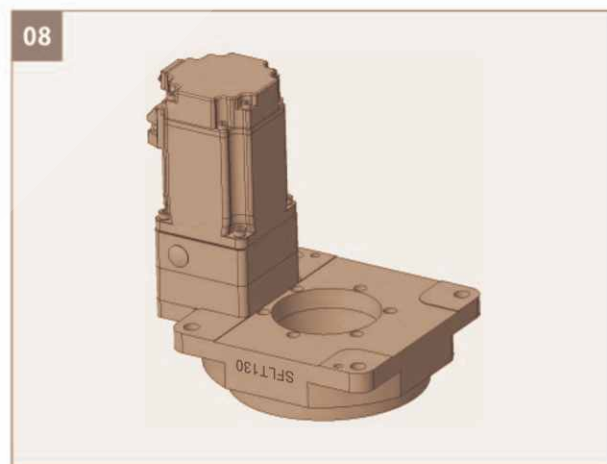
为保证受力均匀，请先将1，3对角位置的安装螺丝拧上，但不要拧紧；再拧2，4两个对角的安装螺丝。最后逐个拧紧四个安装螺丝。

In order to ensure uniform force, please screw up the installation screws at the diagonal position 1, 3 first, but do not tighten; then screw the two diagonal installation screws 2, 4. Finally, tighten the four mounting screws one by one.



锁紧抱紧螺丝。如抱紧螺丝有两颗，请一定要对称均匀锁紧。

Tighten the screws tightly. If there are two holding screws, please tighten them evenly and symmetrically.



装回塞头。

Replace the plug.

型号	SFLT62	SFLT85	SFLT130	SFLT200	SFLT280
	/	/	SFLJ130	SFLJ200	SFLJ280
	/	/	/	SFLTZ200	SFLTZ280
	SFLM130	/	SFLM180	/	/
	/	/	SFLMD180	/	SFLMD225
	/	/	/	/	SFLN230
抱紧螺丝规格	M4	M5	M6	M8	M8
锁紧扭矩(Nm)	6	10	16.3	41	41

中空旋转平台安装说明

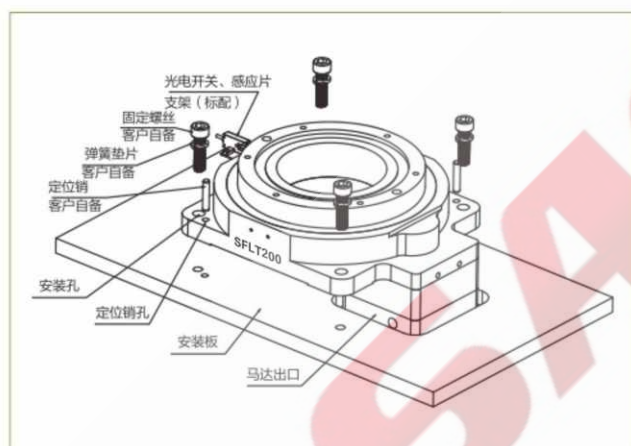
HOLLW ROTATING PLATFORM INSTALLATION INSTRUCTIONS

如何安装中空旋转平台

How to install hollow rotating platform

首先在定制机械设备安装板时需在安装板上预留出马达出口及安装孔位，以便露出中空旋转平台的马达部分。然后利用 2 个定位销孔（SFLT62 中定位销孔与安装孔是共享的），将中空旋转平台如下图安装到机械设备安装板上。再用螺丝将中空旋转平台牢牢固定在安装板上。（如下图）

First, when customizing the mechanical equipment mounting plate, it is necessary to reserve a motor outlet and mounting hole on the mounting plate to expose the motor part of the hollow rotating platform. Then use the two positioning pin holes (the positioning pin holes and the mounting holes in SFLT62 are shared) to install the hollow rotating platform on the mechanical equipment mounting plate as shown below. Then use screws to firmly fix the hollow rotating platform on the mounting plate. (As shown below)

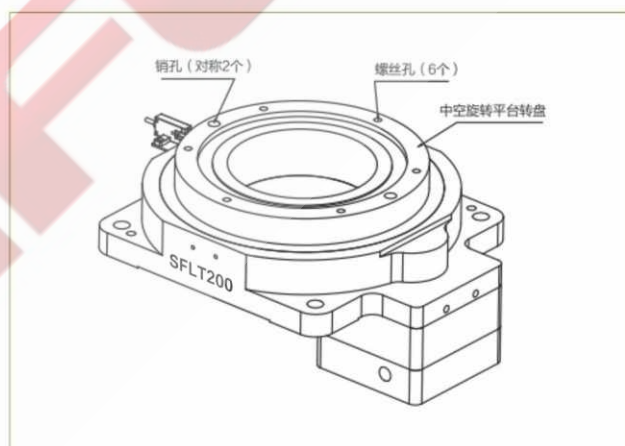


如何在中空旋转平台上安装负载

How to install a load on a hollow rotating platform

使用中空旋转平台转盘上的6个安装螺丝孔安装负载。中空旋转平台转盘上有2个安装负载用的销孔，可用于确定负载的位置，务必将定位销牢牢固定在负载上。

Use the 6 mounting screw holes on the turntable of the hollow rotating platform to install the load. There are two pin holes for load installation on the turntable of the hollow rotating platform, which can be used to determine the position of the load. The positioning pins must be firmly fixed on the load.



定位销孔尺寸

Locating pin hole size

平台型号 Platform Model	销孔直径 Pin hole diameter mm	销孔深度 Pin hole depth mm	销孔数量 Number of pin holes
SFLT85	Φ4(H7)	6(穿孔)	2
SFLT130	Φ5(H7)	7(穿孔)	2
SFLTJ130			
SFLT200	Φ8(H7)	8(穿孔)	2
SFLTJ200			
SFLTZ200			
SFLT280	Φ8(H7)	12(穿孔)	2
SFLTJ280			
SFLTZ280			
SFLM130	Φ5(H7)	10(穿孔)	2
SFLM/SFLMD180	Φ6(H7)	12(穿孔)	2
SFLMD225	Φ8(H7)	16(穿孔)	2



高精度定位的应用
High-precision positioning applications



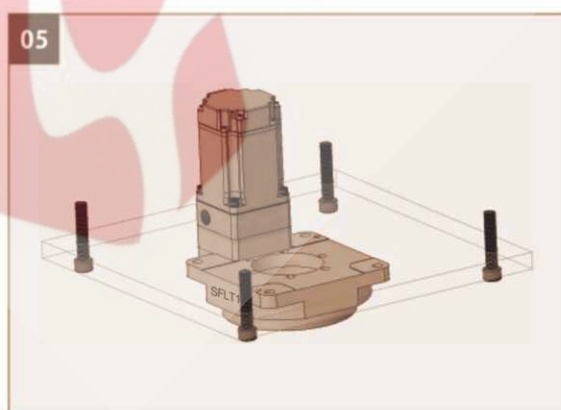
使用中空孔的应用
Applications using hollow holes



施加力矩负载的应用
Application of applied moment load



大惯量载具做任意角度旋转的应用
Application of large inertia vehicle to rotate at any angle



吊装
Hoisting



侧装
Side loading

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