



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

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中空旋转平台

圆周定位的最佳选择

The Best Choice For Circumferential Positioning

通过运用高精度的齿轮传动，能够实现任意角度位置的定位，让您不在为旋转定位时固定的工位位置而烦恼。两个小孔是连接光电开关，方便电气中的零点控制。

Through the use of high-precision gear transmission, it can realize the positioning at any angle position, so that you are no longer worried about the fixed position of the rotating positioning. The two small holes are connected to the photoelectric switch, which is convenient for zero point control in the electric.

SFLTJ/SFLTZ系列中间设有防倾覆稳定环，能大大增强倾覆力矩，有效解决侧装吊装等承载问题。

The SFLTJ/SFLTZ series is equipped with an anti-overturning stability ring in the middle, which can greatly enhance the overturning moment and effectively solve the load-bearing problems such as side-mounted hoisting.

与分割器结构类似、运用独特的轴承结构，不需要增加额外的支撑系统。即可将负载直接放置在中空旋转平台盘面上传动，并且较大的中孔结构设计能够使您的布线更加便捷。

Similar to the splitter structure, it uses a unique bearing structure and does not require additional support systems. The load can be directly placed on the hollow rotating platform for transmission, and the larger hole structure design can make your wiring more convenient.

水平的结构与定位销钉的设计，让您的安装更加方便、精准。

The horizontal structure and the design of positioning pins make your installation more convenient and accurate.

底部与伺服电机或步进电机的安装设计完美匹配，并且可以按照你的要求定制安装设计，使您在选择伺服电机或步进电机时更加任意。

The bottom is perfectly matched with the installation design of the servo motor or stepper motor, and the installation design can be customized according to your requirements, allowing you to be more arbitrary when choosing a servo motor or stepper motor.



产品特点
FEATURES
中空结构 Hollow structure

中空旋转平台的转盘为中空结构，电机连接在侧边，方便治具中的气管、电线安装。与分割器和DD马达相同，可将重物直接固定在平台上传动。且我司成功研发SFLTZ系列直角中空旋转平台，有效解决了由之前高度空间受限导致安装空间不够等问题。

The turntable of the hollow rotating platform is a hollow structure, and the motor is connected to the side, which is convenient for the installation of the gas pipe and the wire in the jig. Same as the divider and the DD motor, the heavy objects can be directly fixed on the platform for transmission. In addition, our company successfully developed the SFLTZ series of right-angle hollow rotating platforms, which effectively solved the problem of insufficient installation space caused by the previous limited height and space.

马达任意配置，速比任意选择

The motor of any configuration, arbitrarily select the ratio

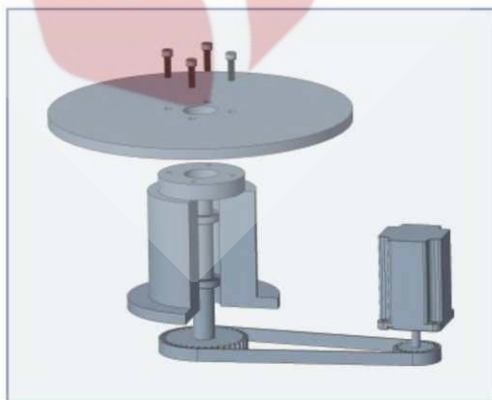
塞弗勒中空旋转平台通过定制法兰及输入轴孔的方式灵活变换接口尺寸大小，适合连接任意品牌的伺服电机、步进电机。市场标准速比很单一，由输入齿轮跟输出齿轮比例产生速比，我司通过设计采用多级齿轮传动方式，实现了同一转台多个速比，相同速比下我司承载扭矩更大等特点。

SAFELO hollow rotating platform can flexibly change the size of the interface by customizing the flange and input shaft hole, which is suitable for connecting servo motors and stepping motors of any brand. The market standard speed ratio is very single. The ratio is produced by the ratio of the input gear to the output gear. Through the design of multi-stage gear transmission, our company has achieved multiple speed ratios on the same turntable, and our company has the characteristics of greater torque capacity under the same speed ratio.

适用于多工况 Suitable for multiple working conditions

考虑到产品使用时的侧向力等问题，我们塞弗勒设计采用交叉滚子轴承，并且中间设有防倾覆稳定环，以便更好地承受使用过程中的侧向力负载。根据侧装、吊装以及倾覆力较大的工况，我公司单独设计了一款SFLTZ系列重载型中空旋转平台减速机。

Taking into account the lateral force when the product is in use, our SAFELO design adopts cross-roller bearings, and there is an anti-overturning stability ring in the middle. In order to better bear the lateral load during use. According to the working conditions of side mounting, hoisting and large overturning force, our company separately designed a SFLTZ series heavy-duty hollow rotating platform reducer.



皮带轮+机构部件再连接电机

Pulley + mechanism parts and then connected to the motor

加工工艺 Processing technology

塞弗勒中空旋转平台本体采用铝合金材料，经高精密CNC加工，以确保各部位的精度。齿轮采用渗碳热处理及研磨的工艺，加工后可达到5级齿轮精度，并且其表面硬度可达到58-62HRC。产品组装完成后，会再进行一道研磨工序，以确保端面的平行度和垂直度达到一丝以内的跳动。

The main body of SAFELO hollow rotating platform is made of aluminum alloy and processed by high-precision CNC to ensure the accuracy of each part. The gear adopts the process of carburizing heat treatment and grinding. After processing, it can reach the gear accuracy of grade 5, and its surface hardness can reach 58-62HRC. After the product is assembled, another grinding process will be carried out to ensure that the parallelism and perpendicularity of the end face reaches within a trace of runout.

重复定位精度高 High repeat positioning accuracy

塞弗勒中空旋转平台部分齿轮精度等级达4级，使得中空旋转平台的空回极小，并且我司通过可调节齿轮中心距的设计，弥补装配时产生的误差，重复定位精度可达到10弧秒以下。

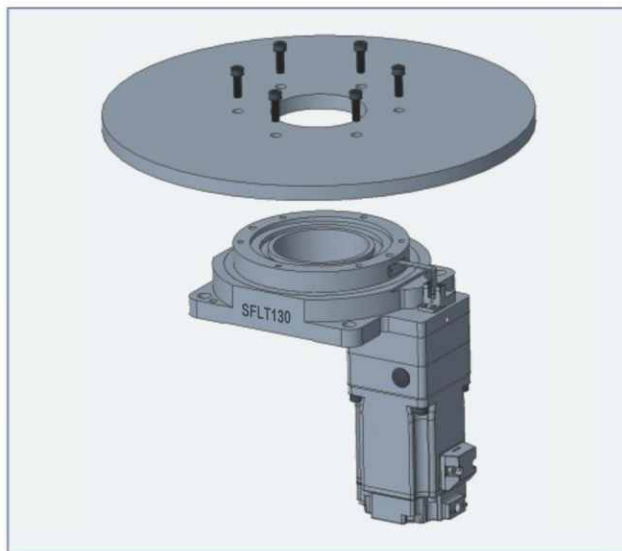
The precision level of some gears of SAFELO hollow rotating platform reaches level 4, which makes the hollow return of the hollow rotating platform extremely small, and our company uses the design of adjustable gear center distance to compensate for the error generated during assembly. The repeat positioning accuracy can reach 10 arc seconds. the following.

直接连接——节省设计工时

Direct connection—save design time

可直接将装置的工作台及机械手臂安装在中空旋转平台转盘上。与使用皮带轮等机构零件时相比，可减少机构设计、零件调配、皮带状态调节等的工时与费用。

The working table and mechanical arm of the device can be directly installed on the hollow rotating platform turntable. Compared with the use of belt pulleys and other mechanical parts, it can reduce the man-hours and costs of mechanism design, parts allocation, and belt state adjustment.



中空旋转平台直接连电机

The hollow rotating platform is directly connected to the motor

SFLT Series

Large Aperture Hollow Rotating Platform

大孔径中空旋转平台

01



订货型号标示

ORDERING REPRESENTATION



技术参数

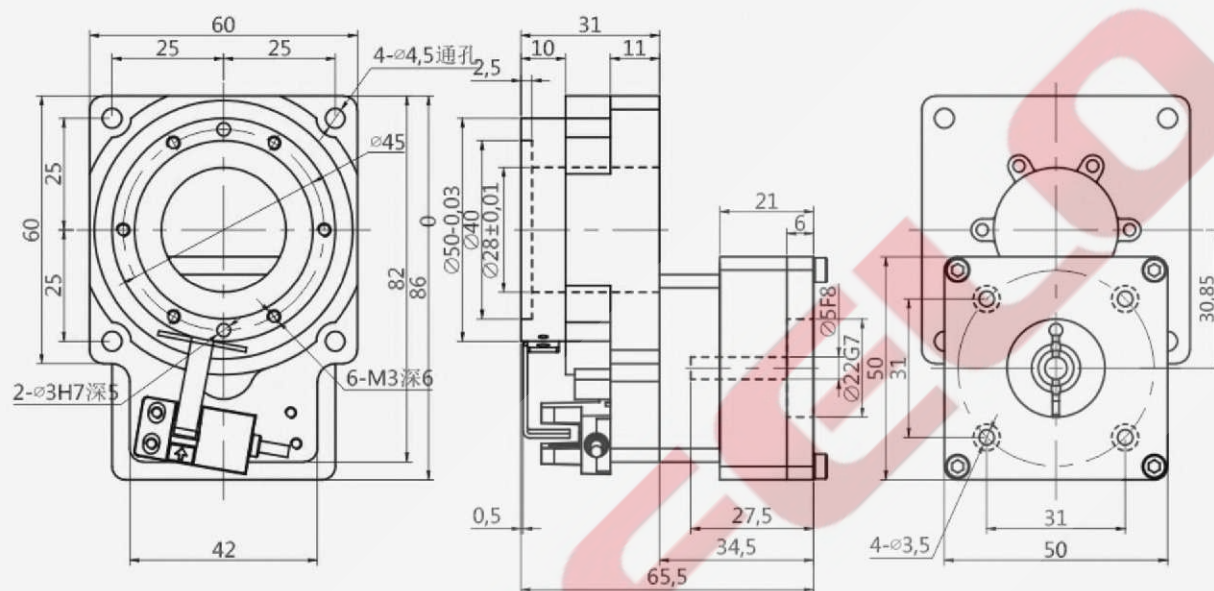
Technical Parameter

型号 Model		SFLT62	
轴承结构	Bearing structure	交叉滚子轴承 Cross roller bearing	
减速比	Reduction ratio	I	5 10
额定输出扭矩	Rated output torque	N.m	5 4
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	≤2
反复定位精度	Repeated positioning accuracy	arc-sec	≤15
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	50-100
适配步进马达	Suitable for stepping motor		42 步进 Stepper
容许轴向负载	Allowable axial load	N	230
容许惯性力矩	Allowable moment of inertia	N.m	5
扭转刚性	Torsional rigidity	N.m/arcmin	2.5
齿隙	Backlash		无齿隙 (可调节结构) No backlash (Adjustable structure)
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation
防护等级	Protection level	IP	50
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
噪音	Noise	db	≤55
重量	Weight	kg	0.6
设计承重	Design load	kg	7 5

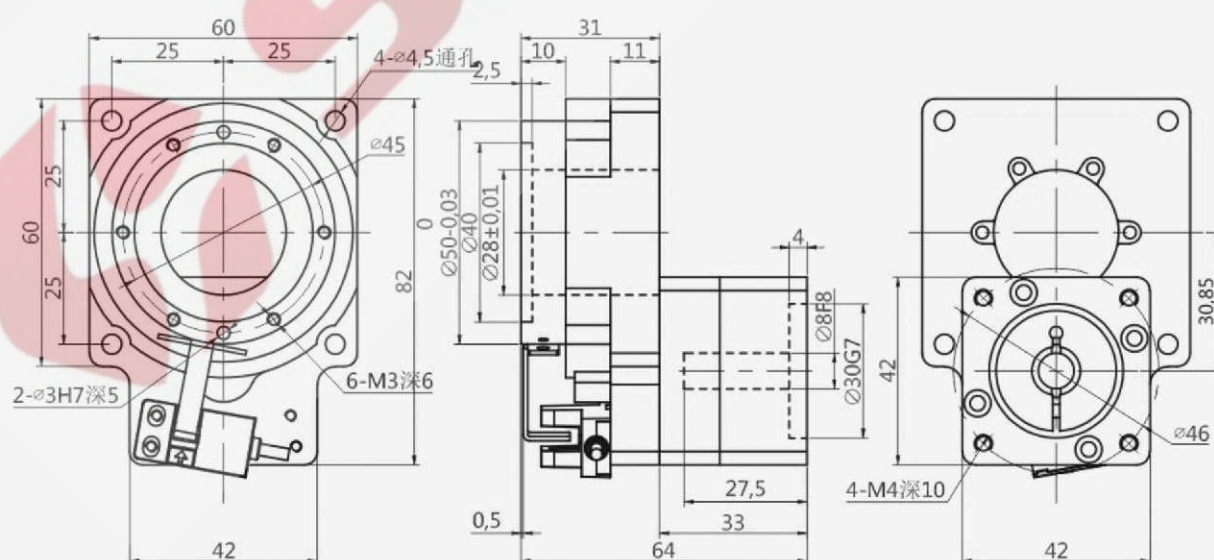
* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。

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SFLT62-10 配42步进接口



SFLT62-10 配100W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。

订货型号标示

ORDERING REPRESENTATION



SFLT	-	85	-	RL	-	10	-	14	-	50	-	70
系列		型号规格		选配		速比		电机轴径		电机定位凸台		电机安装孔距
SFLT		62		RL: 直角标准		5/10						注: (伺服电机安装面对角孔距)
SFLTJ		85		RY: 直角右								(步进电机安装面单边孔距)
SFLTZ		130		RZ: 直角左								
SFLM		200		JS: 同轴减速机								
SFLMD		280										
SFLN												

技术参数

Technical Parameter

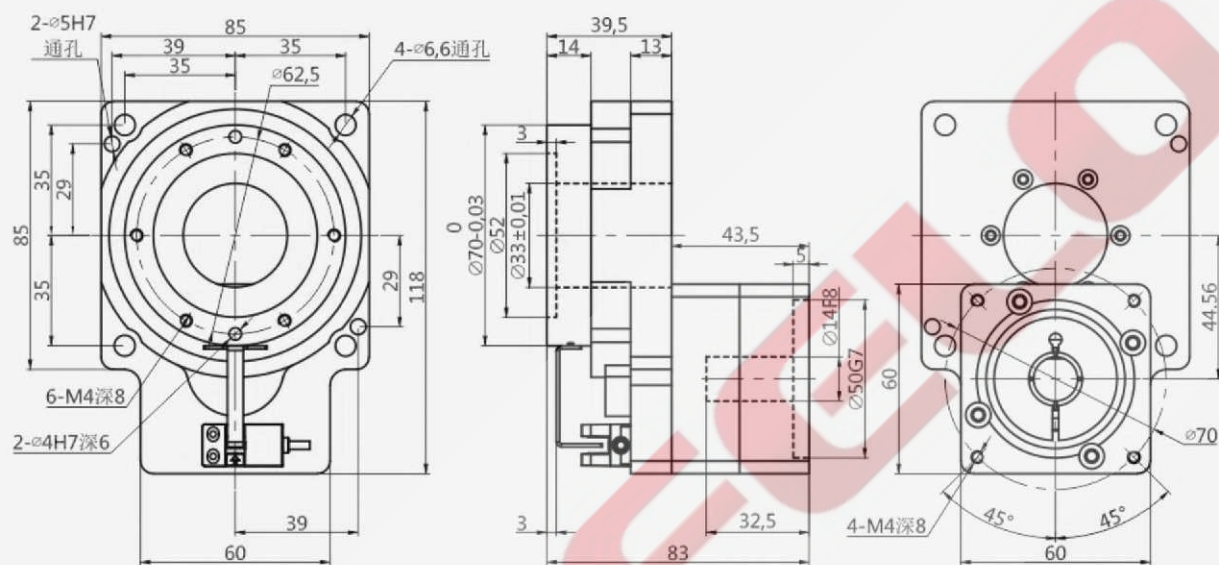
型号 Model			SFLT85		SFLT85RL/RY/RZ(JS)				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing						
减速比	Reduction ratio	I	5	10	5	10	20	25	50
额定输出扭矩	Rated output torque	N.m	28	18	28	28	18	23	15
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque						
定位精度	Positioning accuracy	arc-min	≤1		≤3				
反复定位精度	Repeated positioning accuracy	arc-sec	≤15		≤30				
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	500						
容许惯性力矩	Allowable moment of inertia	N.m	10						
扭转刚性	Torsional rigidity	N.m/arcmin	6						
齿隙	Backlash		无齿隙 (可调节结构) No backlash (Adjustable structure)						
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation						
防护等级	Protection level	IP	50						
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	≤55		≤63				
重量	Weight	kg	1.4		2.6				
设计承重	Design load	kg	28		20				

⚠ SFLT85JS系列速比有15/20/25/35/50等。额定输出扭矩28N.m。
The speed ratio of SFLT85JS series is 15/20/25/35/50 etc. The rated output torque is 28N.m.

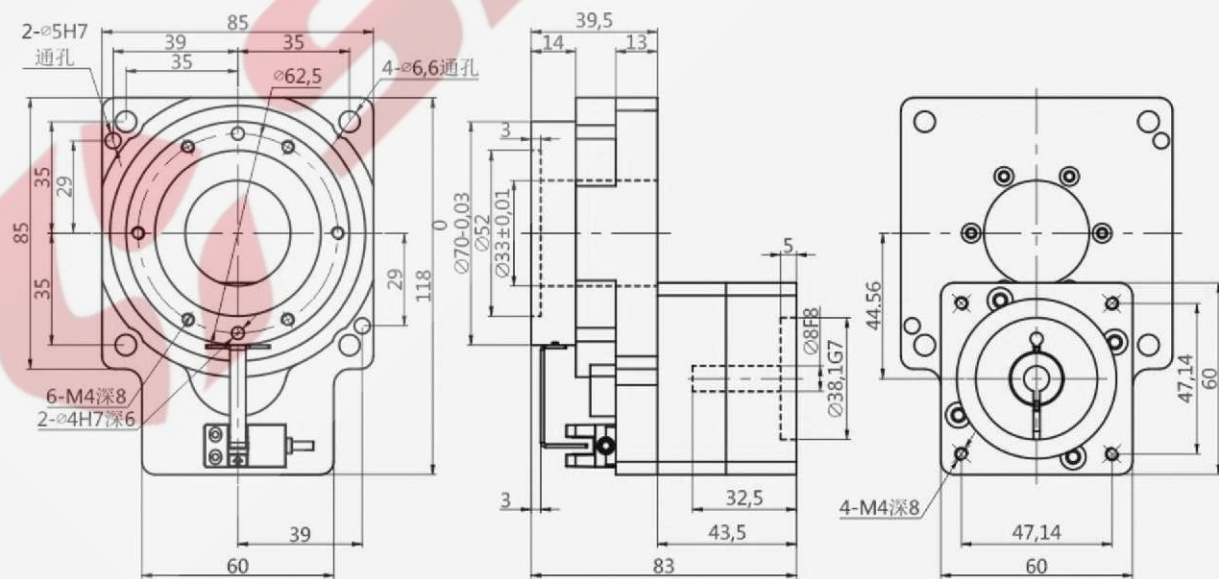
外形尺寸图表

OUTLINE DIMENSIONAL

SFLT85-5 配400W伺服接口

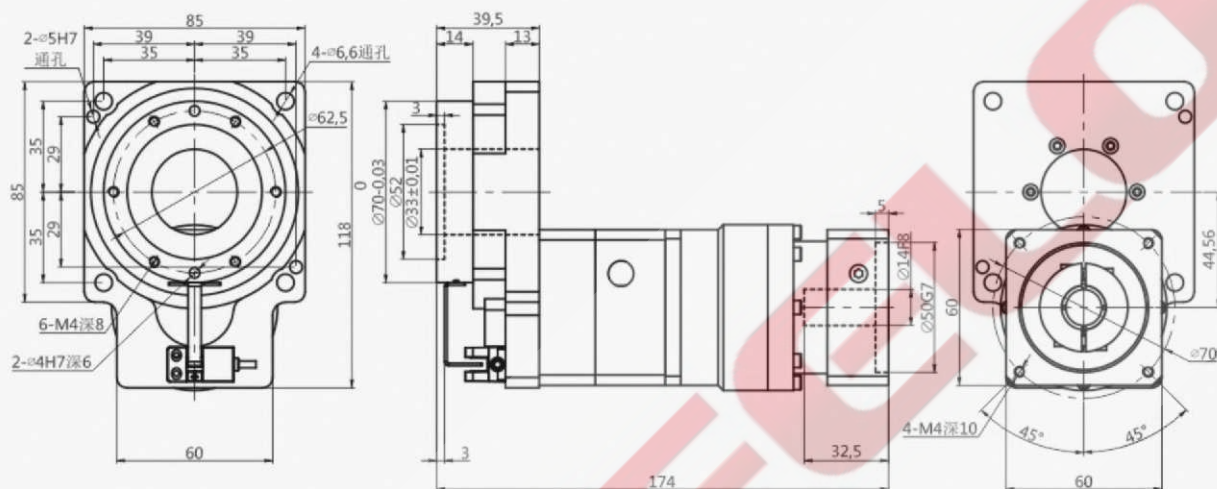


SFLT85-5 配57步进接口

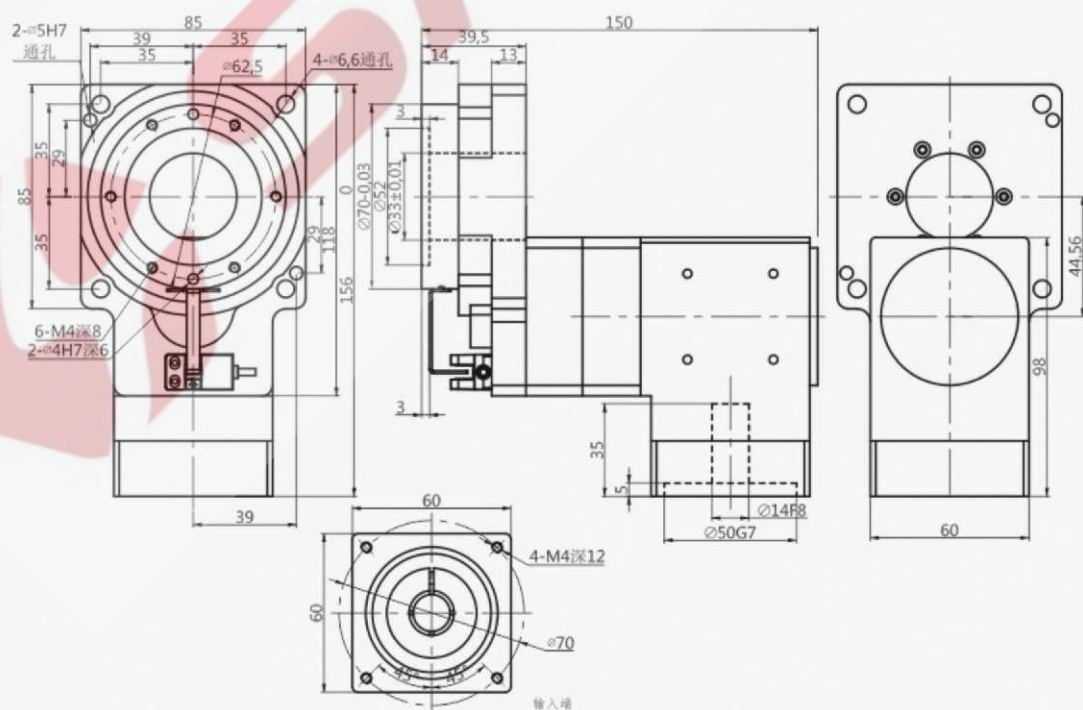


* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。

SFLT85JS-15 配400W伺服接口

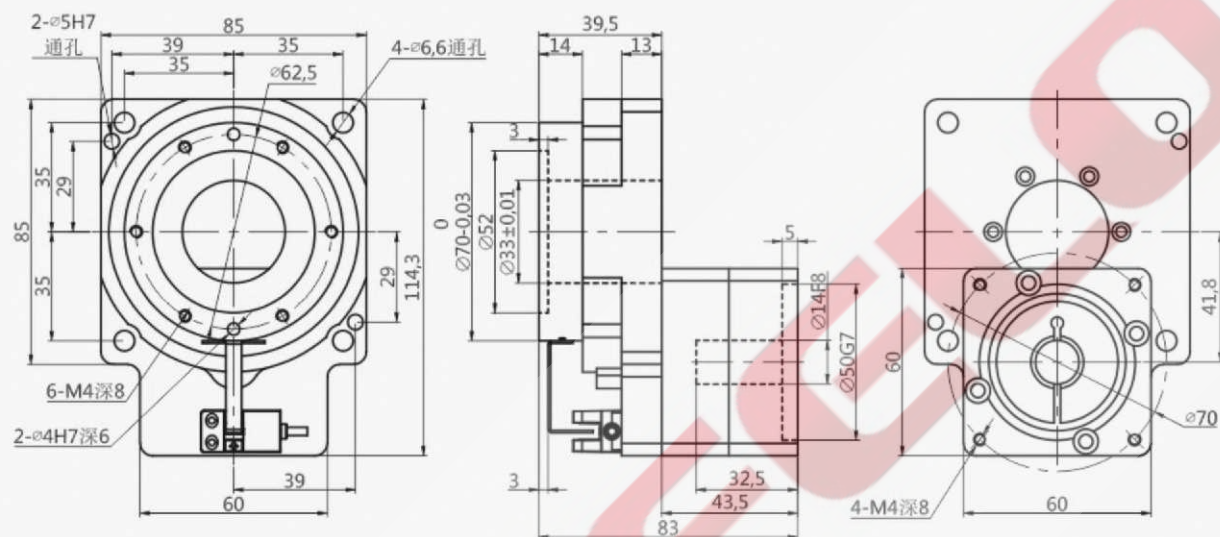


SFLT85RL-5 配400W伺服接口

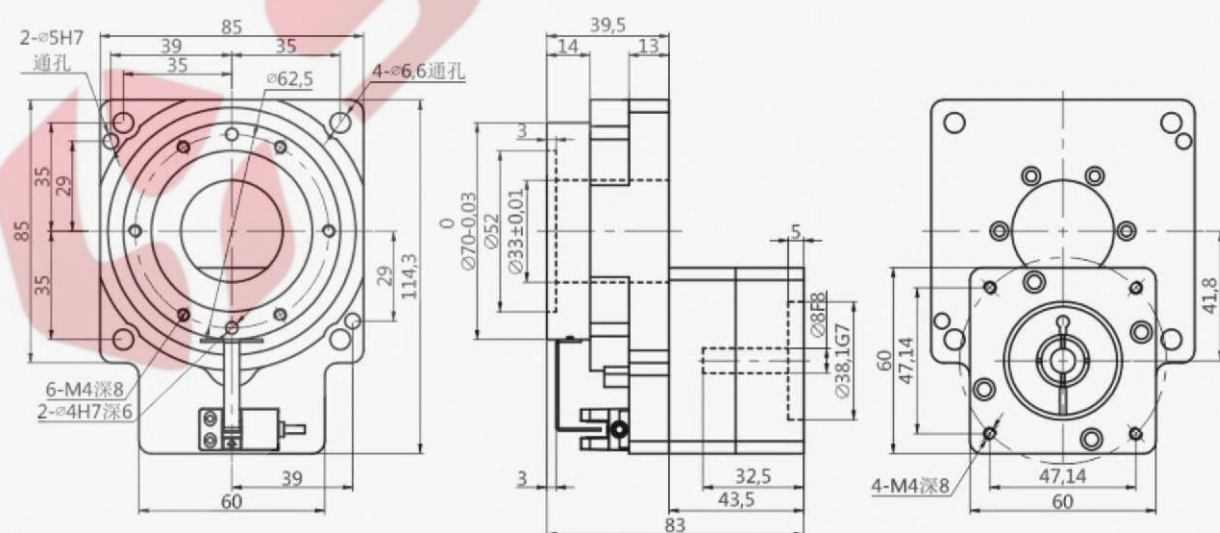


* 以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。

SFLT85-10 配400W伺服接口

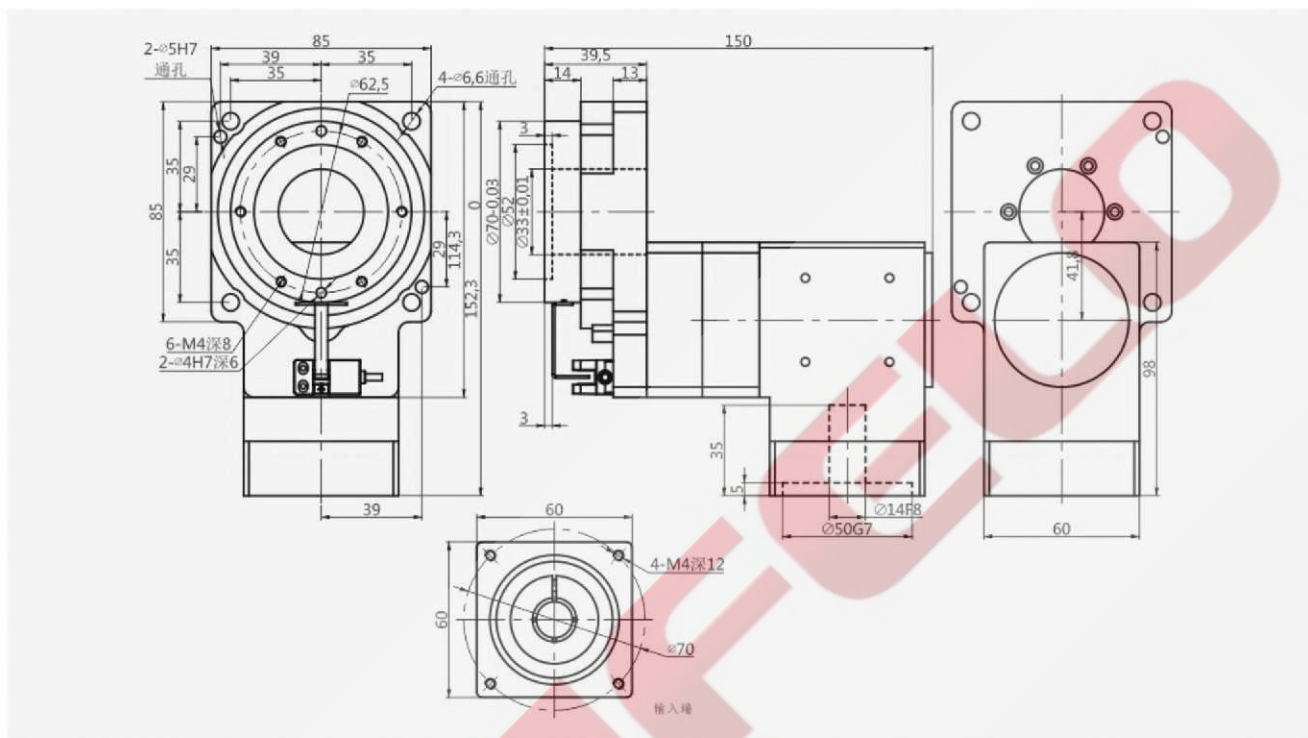


SFLT85-10 配57步进接口

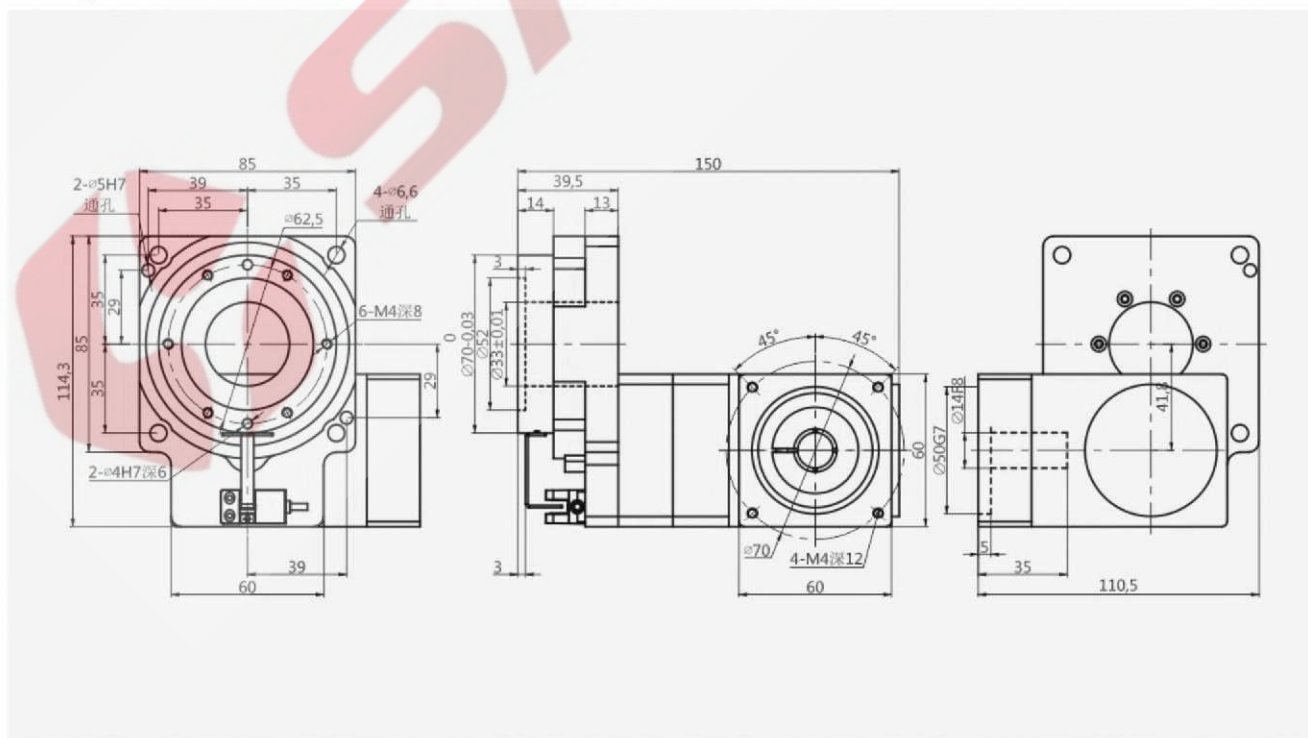


* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。

SFLT85RL-10 配400W伺服接口

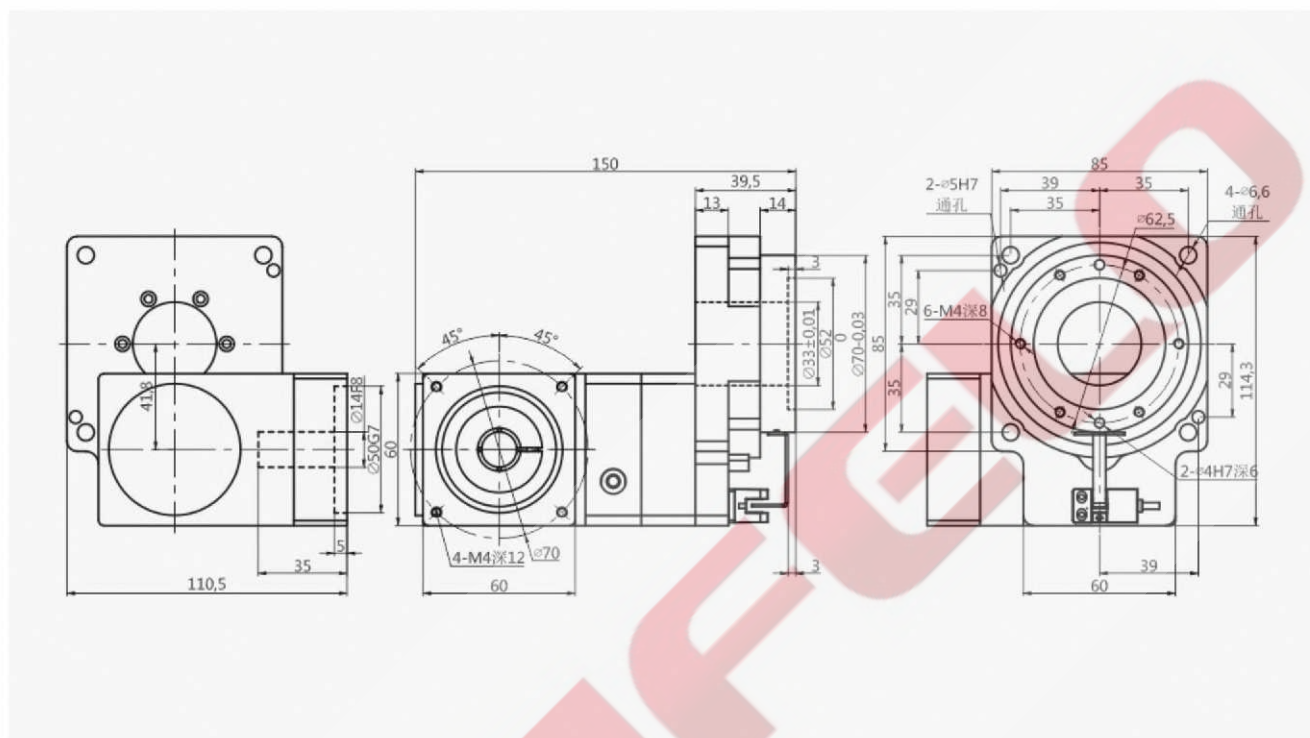


SFLT85RY-10 配400W伺服接口



* 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。

SFLT85RZ-10 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。

订货型号标示

ORDERING REPRESENTATION



技术参数

Technical Parameter

型号 Model			SFLT130		SFLT130RL/RZ(RZ(JS)		
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing				
减速比	Reduction ratio	I	10	18	10	20	50
额定输出扭矩	Rated output torque	N.m	40	28	40	40	35
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	≤15		≤30		
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		57-86 步进 Stepper				
容许轴向负载	Allowable axial load	N	2000				
容许惯性力矩	Allowable moment of inertia	N.m	50				
扭转刚性	Torsional rigidity	N.m/arcmin	19				
齿隙	Backlash		无齿隙 (可调节结构) No backlash (Adjustable structure)				
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation				
防护等级	Protection level	IP	50				
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	≤0.013				
传动效率	Transmission efficiency	%	95		90		
噪音	Noise	db	≤60		≤60		
重量	Weight	kg	2.6		3.8		
设计承重	Design load	kg	45		30		

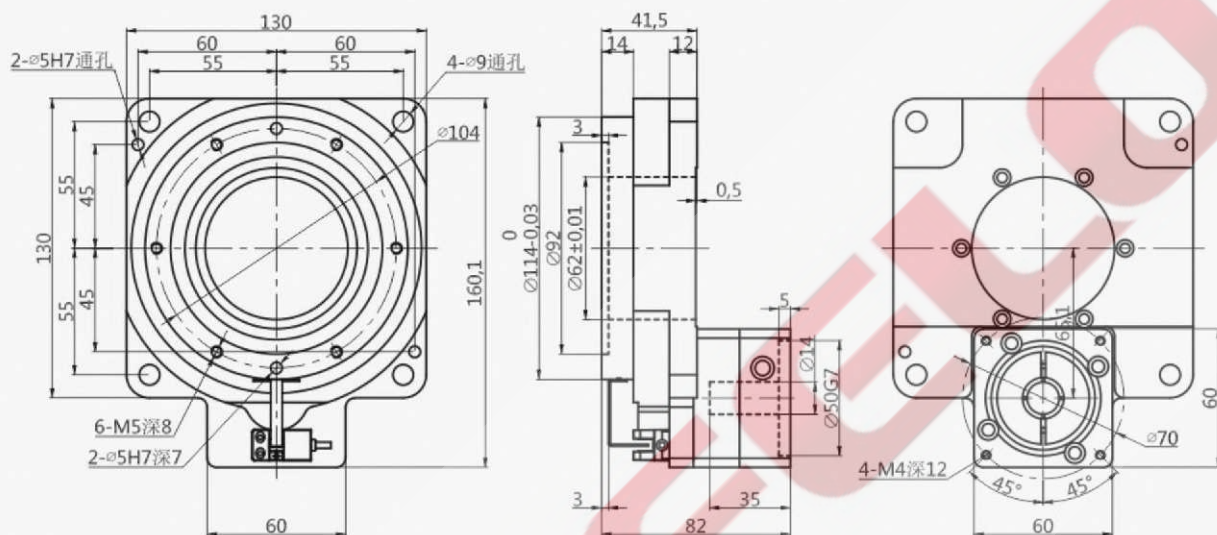
① SFLT130JS系列速比有30/40/50/70/100等。额定输出扭矩40N.m。② 旋转平台平行度有更高要求请联系我司销售人员

① SFLT130JS series speed ratio has 30/40/50/70/100 etc. The rated output torque is 40N.m. ② If the parallelism of the rotating platform has higher requirements, please contact our sales staff

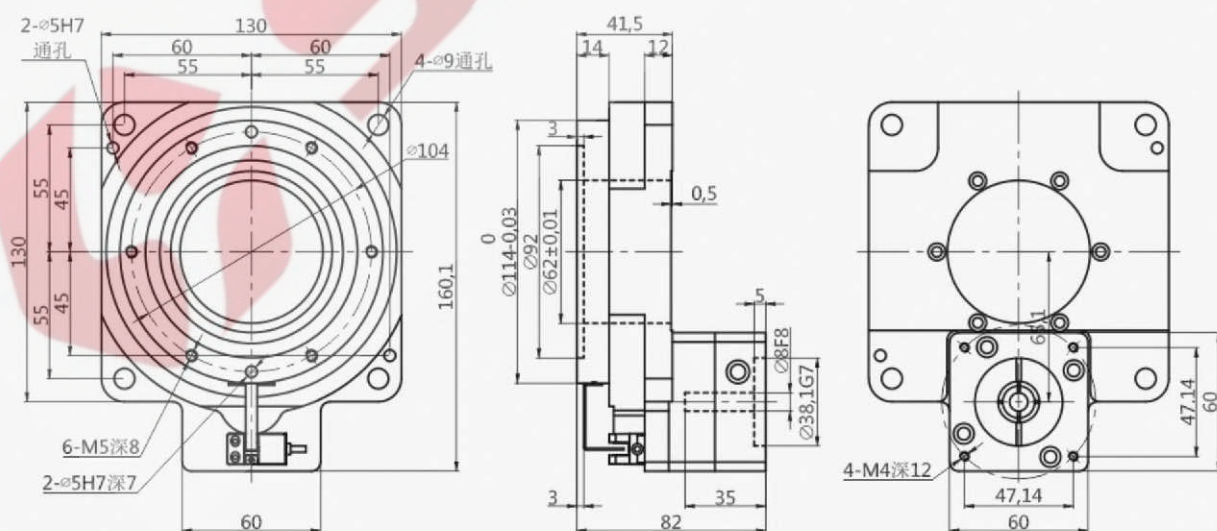
外形尺寸图表

OUTLINE DIMENSIONAL

SFLT130-10 (18) 配400W伺服接口

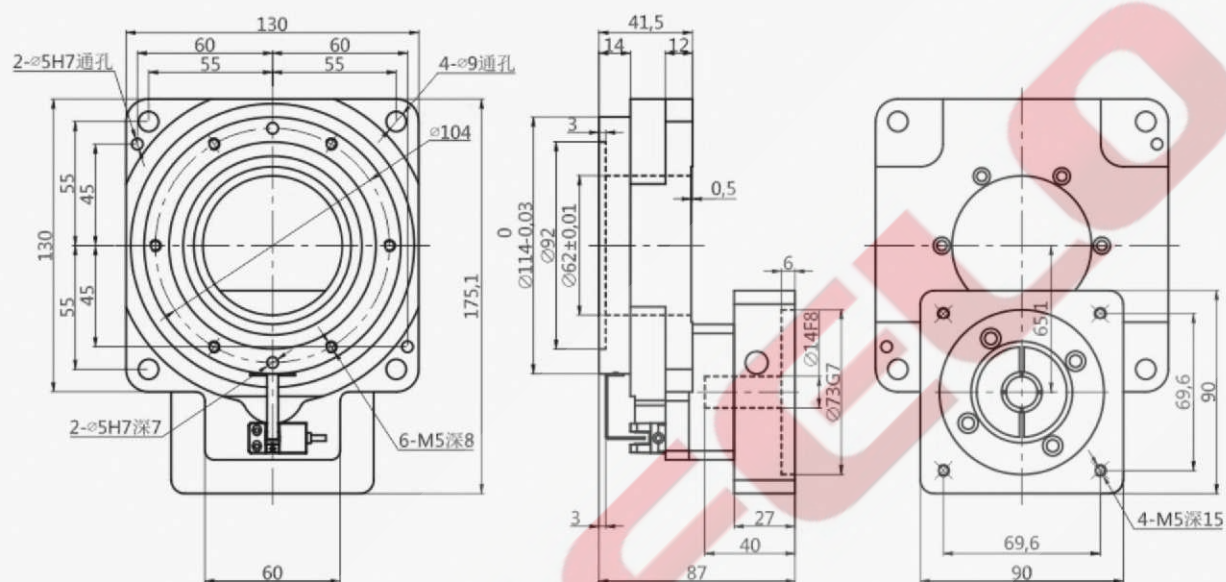


SFLT130-10 (18) 配57步进接口

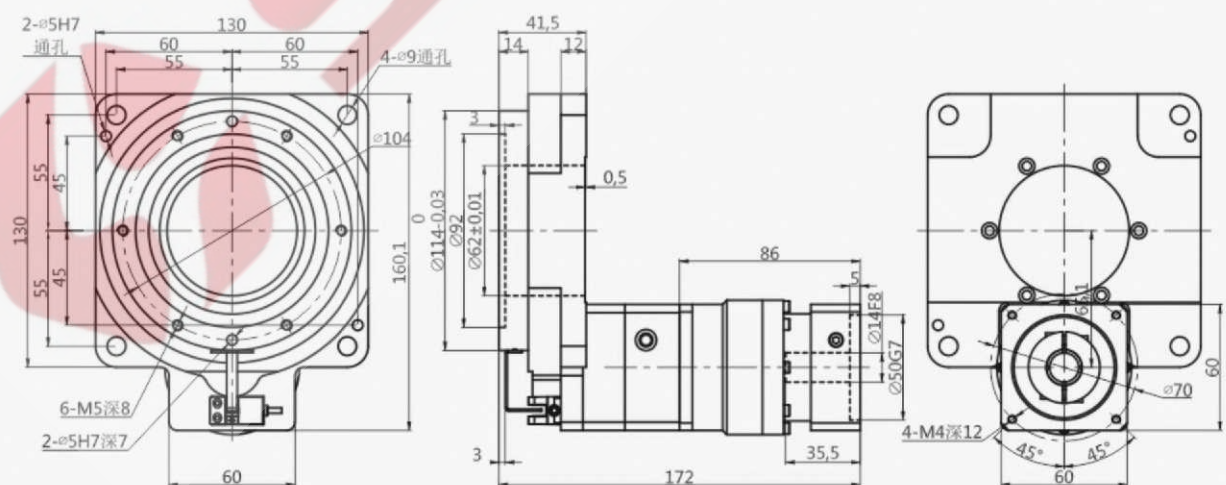


* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。

SFLT130-10 (18) 配86步进接口

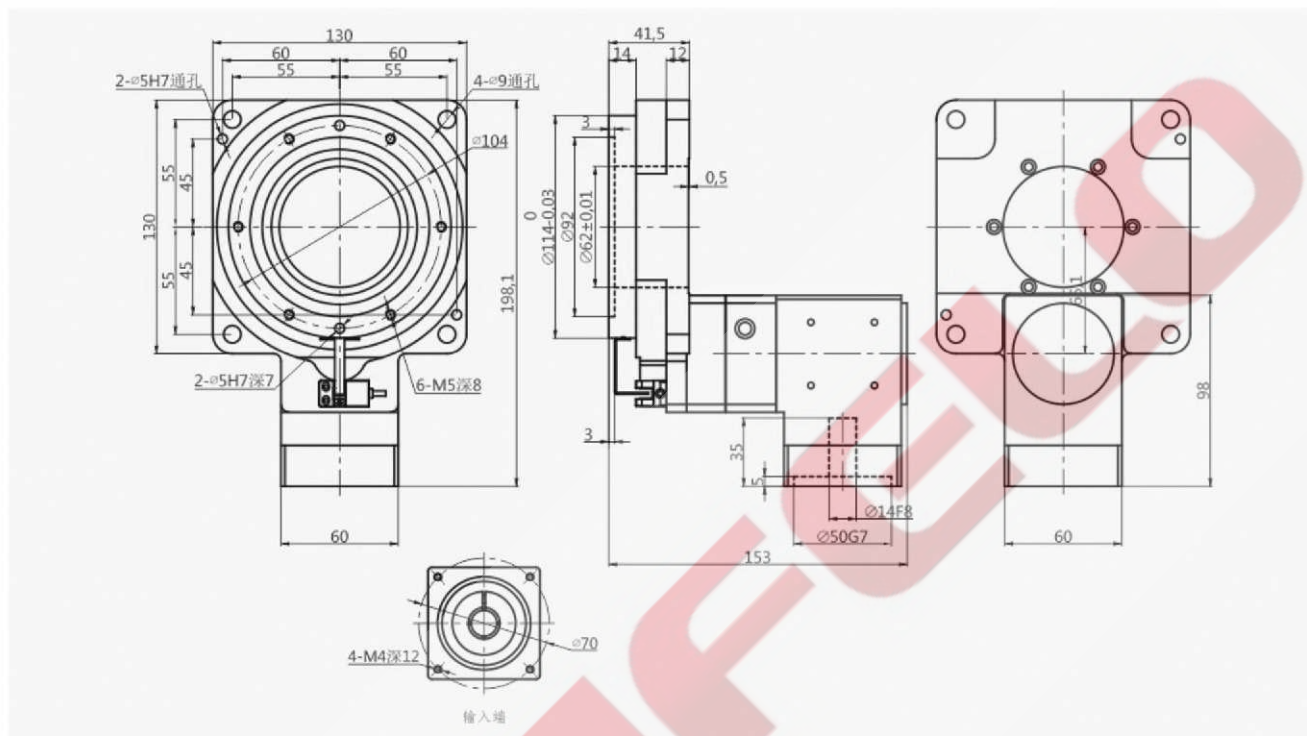


SFLT130JS-30 配400W伺服接口

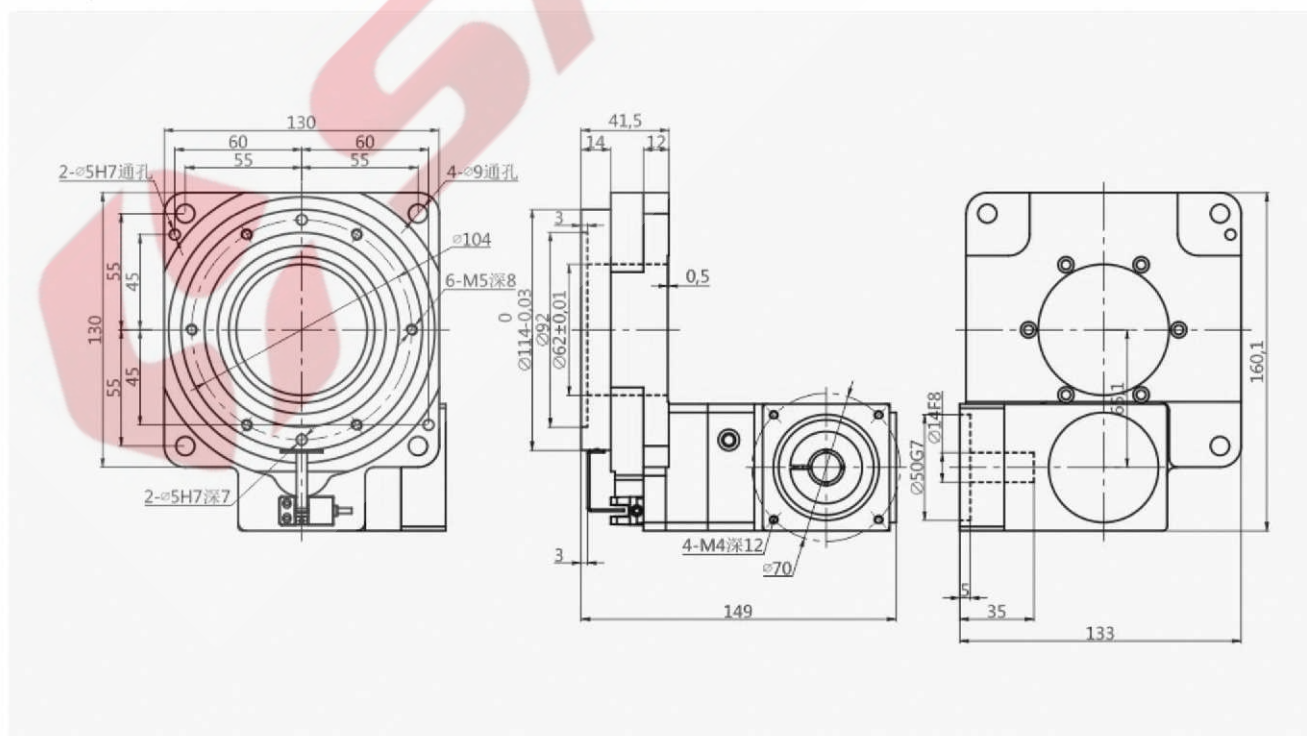


* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。

SFLT130RL-10 配400W伺服接口

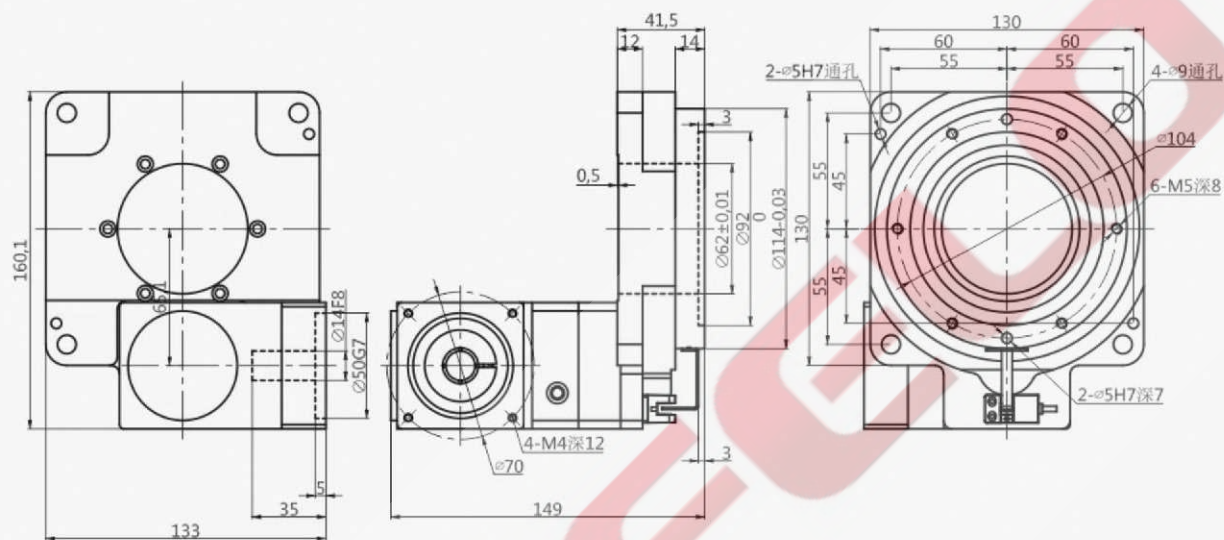


SFLT130RY-10 配400W伺服接口



* 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。

SFLT130RZ-10 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			SFLT200		SFLT200RL/RY/RZ(JS)		
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing				
减速比	Reduction ratio	I	10	18	10	20	50
额定输出扭矩	Rated output torque	N.m	70	55	70	70	50
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	≤15		≤30		
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		86-110 步进 Stepper				
容许轴向负载	Allowable axial load	N	4000				
容许惯性力矩	Allowable moment of inertia	N.m	100				
扭转刚性	Torsional rigidity	N.m/arcmin	32				
齿隙	Backlash		无齿隙 (可调节结构) No backlash (Adjustable structure)				
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation				
防护等级	Protection level	IP	50				
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	≤0.02				
传动效率	Transmission efficiency	%	95		90		
噪音	Noise	db	≤63		≤63		
重量	Weight	kg	8.1		11.6		
设计承重	Design load	kg	75		55		

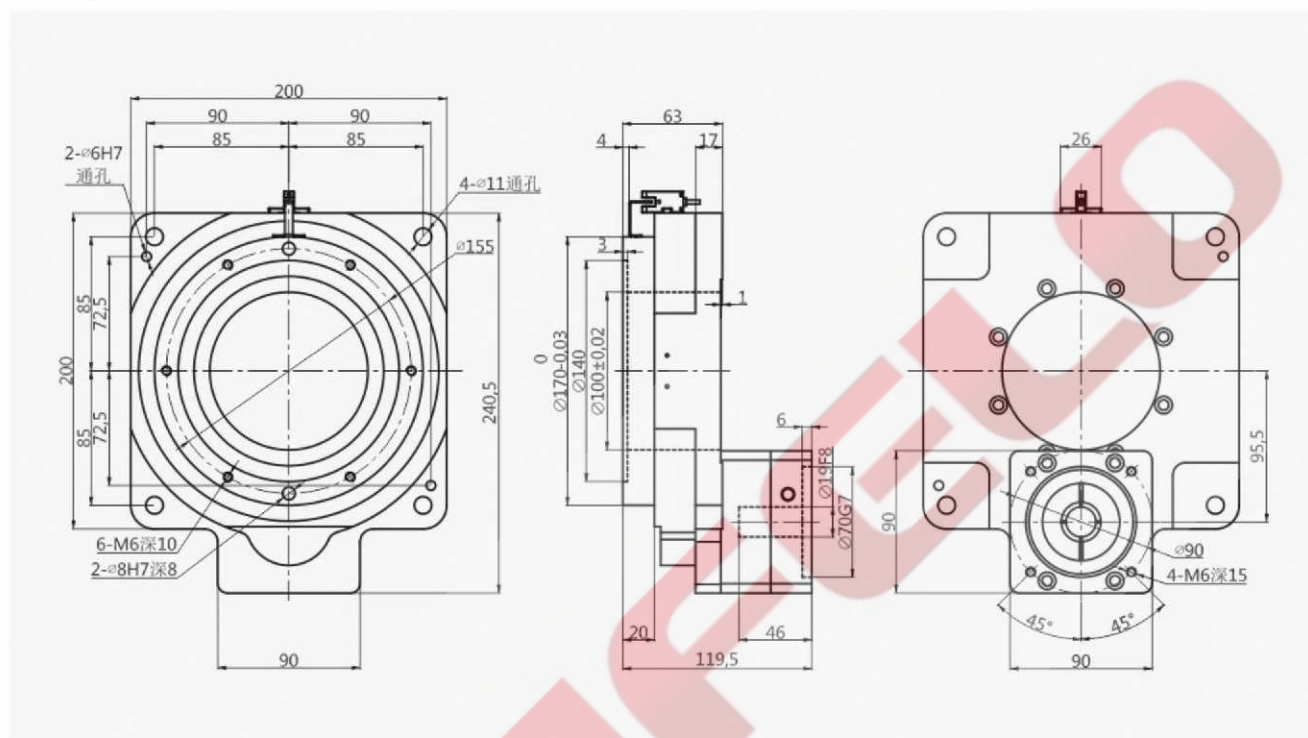
① SFLT200JS系列速比有30/40/50/70/100等。额定输出扭矩70N.m。② 旋转平台平行度有更高要求请联系我司销售人员

① SFLT200JS series speed ratio has 30/40/50/70/100 etc. The rated output torque is 70N.m. ② If the parallelism of the rotating platform has higher requirements, please contact our sales staff

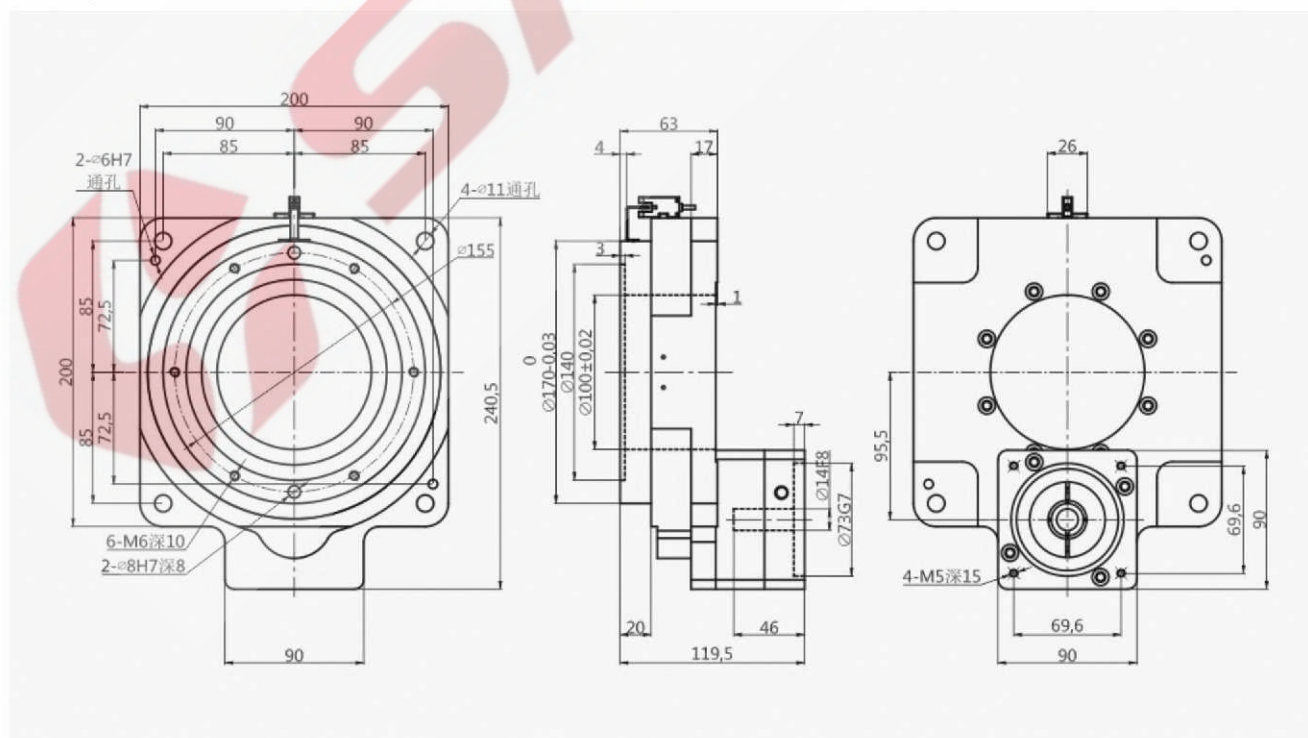
外形尺寸图表

OUTLINE DIMENSIONAL

SFLT200-10 (18) 配750W伺服接口



SFLT200-10 (18) 配86步进接口

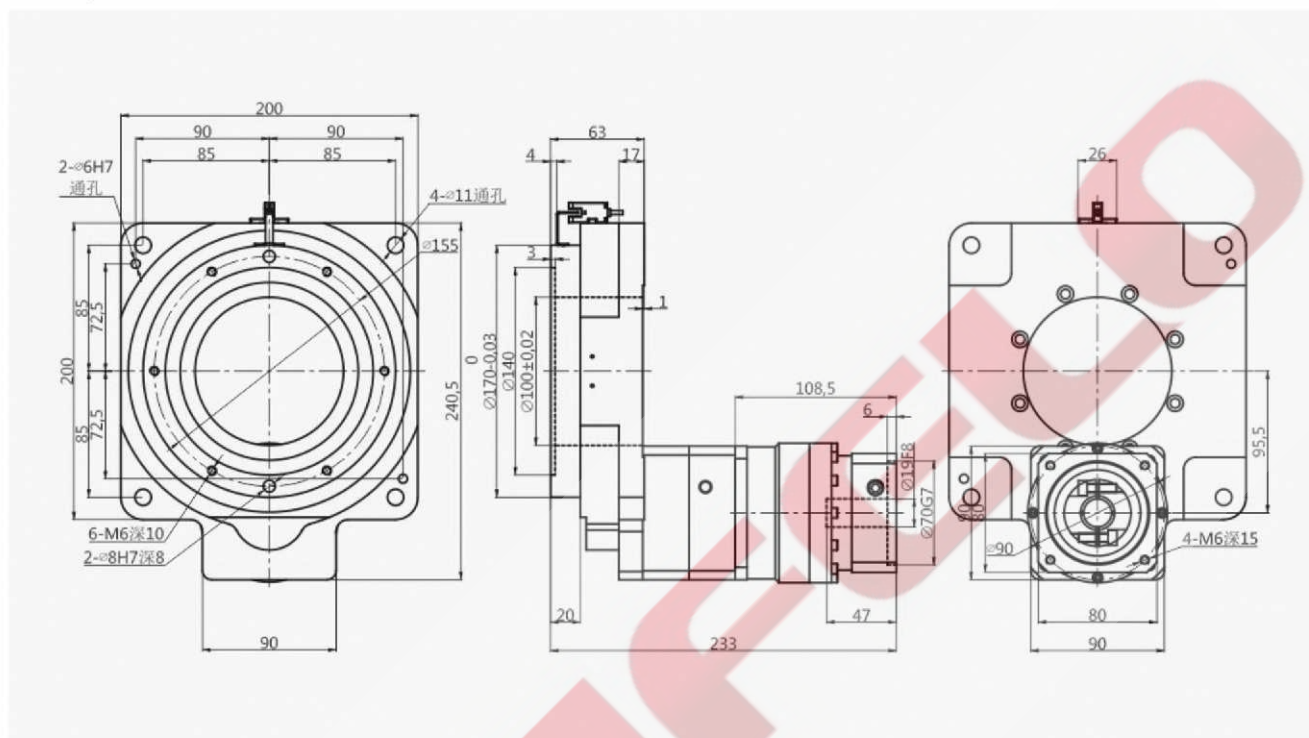


* 以上技术参数仅供参考，实际根据客户提供的数据，会出具相关的技术参数及尺寸。

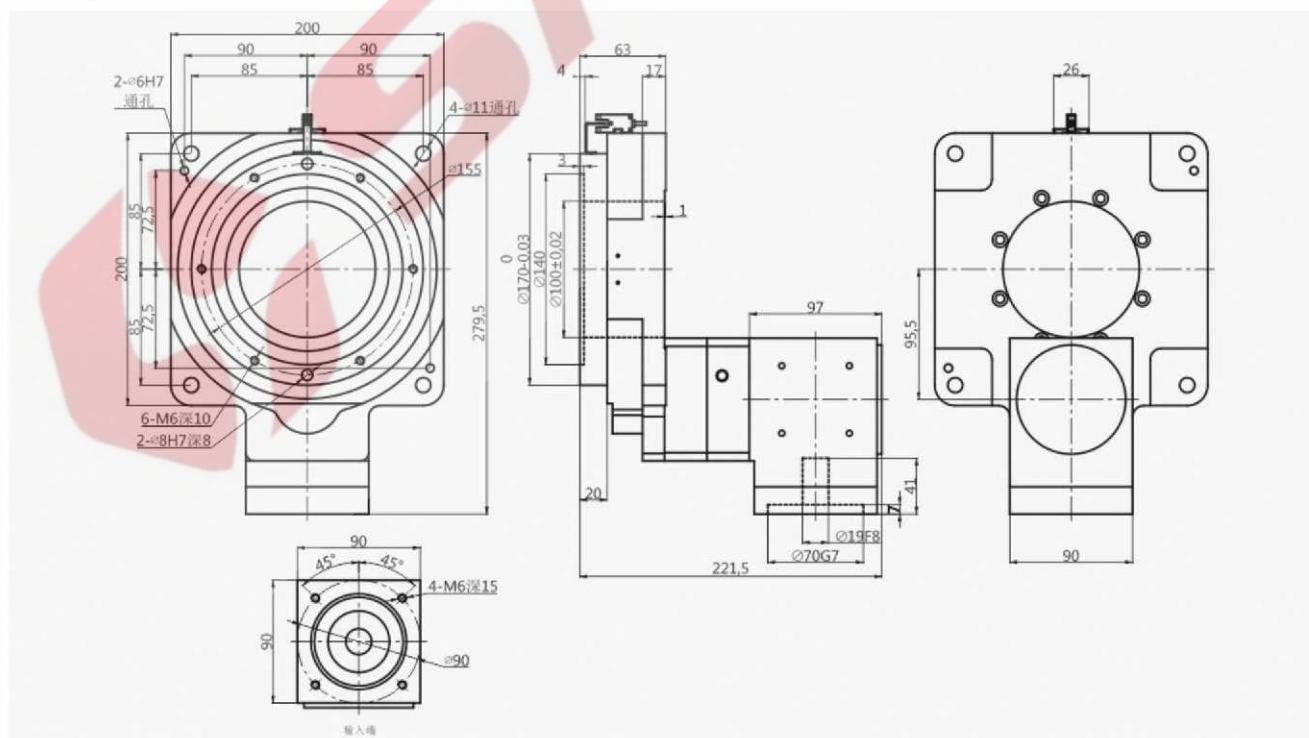
外形尺寸图表

OUTLINE DIMENSIONAL

SFLT200JS-30 配750W伺服接口



SFLT200RL-10 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。

订货型号标示

ORDERING REPRESENTATION



SFLT - 280 - 10 - 24 - 110 - 145

系列 型号规格 速比 电机轴径 电机定位凸台 电机安装孔距

SFLT

SFLTJ

SFLTZ

SFLM

SFLMD

SFLN

62

85

130

200

280

10

注: (伺服电机安装面对角孔距)

(步进电机安装面单边孔距)

技术参数

Technical Parameter

型号 Model			SFLT280
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing
减速比	Reduction ratio	I	10
额定输出扭矩	Rated output torque	N.m	130
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
反复定位精度	Repeated positioning accuracy	arc-sec	≤15
容许盘面转速	Allowable disk speed	rpm	150 (间歇运转) Intermittent operation
适配伺服马达	Adapt to servo motor	W	1000-2000
适配步进马达	Suitable for stepping motor		110 步进 Stepper
容许轴向负载	Allowable axial load	N	8000
容许惯性力矩	Allowable moment of inertia	N.m	200
扭转刚性	Torsional rigidity	N.m/arcmin	58
齿隙	Backlash		无齿隙 (可调节结构) No backlash (Adjustable structure)
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation
防护等级	Protection level	IP	50
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	≤0.015
旋转平台平行度	Parallelism of rotating platform	mm	≤0.03
传动效率	Transmission efficiency	%	95
噪音	Noise	db	≤67
重量	Weight	kg	20
设计承重	Design load	kg	130



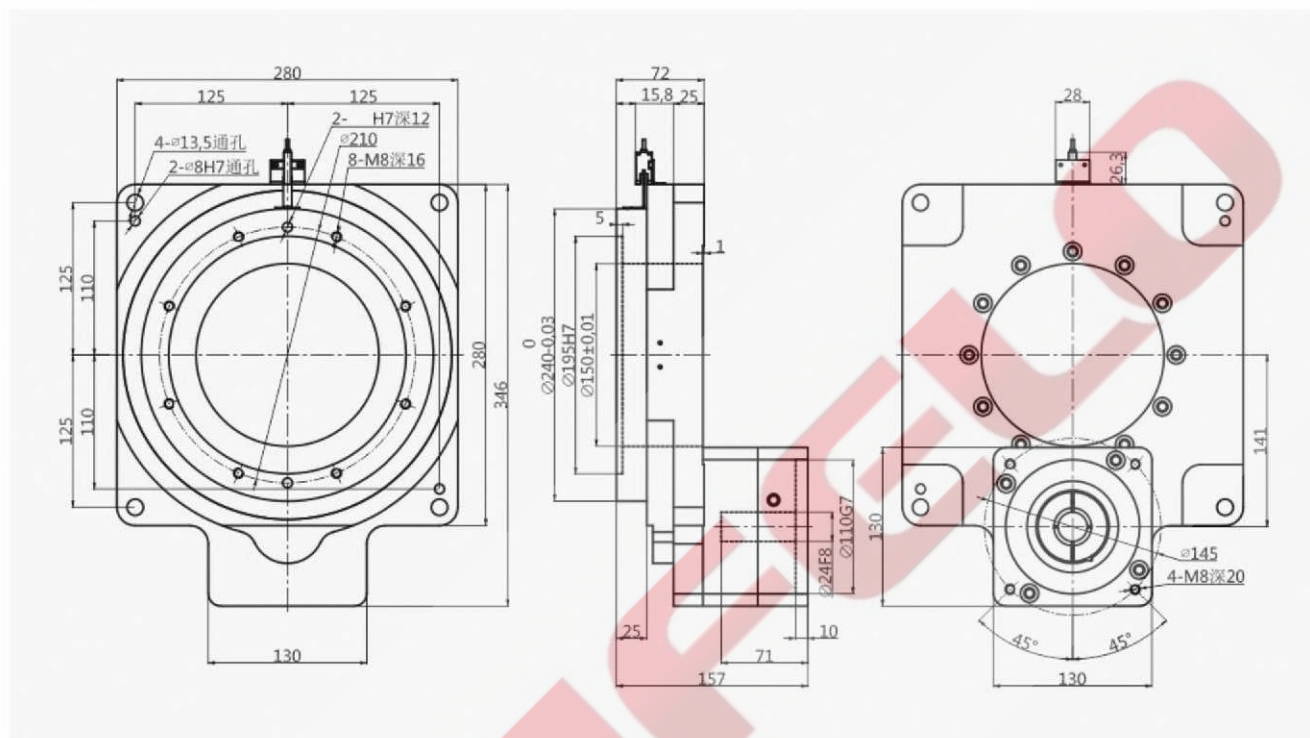
旋转平台平行度有更高要求请联系我司销售人员

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

外形尺寸图表

OUTLINE DIMENSIONAL

SFLT280-10 配1KW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。

SFLTJ Series

Reinforced Hollow Rotating Platform

加强型中空旋转平台

02



订货型号标示

ORDERING REPRESENTATION



SFLTJ	-	130	-	JS	-	10	-	14	-	50	-	70
系列		型号规格		选配		速比		电机轴径		电机定位凸台		电机安装孔距
SFLT		130		RL: 直角标准		10/18						注: (伺服电机安装面对角孔距)
SFLTJ		200		RY: 直角右								(步进电机安装面单边孔距)
SFLTZ		280		RZ: 直角左								
SFLM				JS: 同轴减速机								
SFLMD												
SFLN												

技术参数

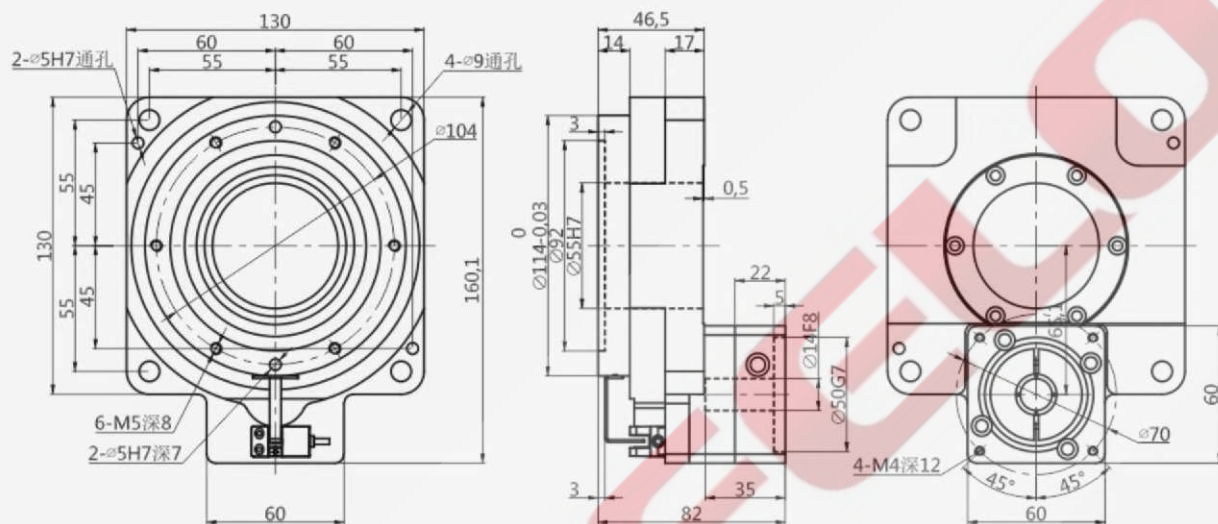
Technical Parameter

型号 Model			SFLTJ130		SFLTJ130JS				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing						
减速比	Reduction ratio	I	10	18	30	40	50	70	100
额定输出扭矩	Rated output torque	N.m	50	35	50	50	50	50	50
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	≤15		≤30				
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		57-86 步进 Stepper						
容许轴向负载	Allowable axial load	N	2500						
容许惯性力矩	Allowable moment of inertia	N.m	50						
扭转刚性	Torsional rigidity	N.m/arcmin	19						
倾覆力矩	Overturning moment	N.m	530						
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation						
防护等级	Protection level	IP	50						
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	≤0.013						
传动效率	Transmission efficiency	%	95		90				
噪音	Noise	db	≤60		≤60				
重量	Weight	kg	3		4.3				
设计承重	Design load	kg	50		35				

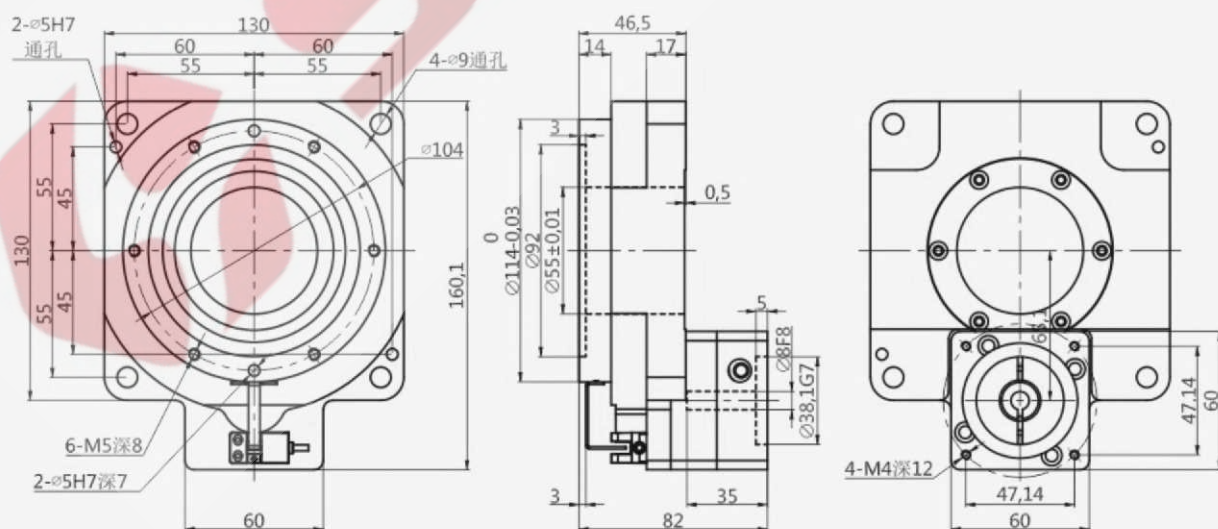
注 旋转平台平行度有更高要求请联系我司销售人员

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

SFLTJ130-10(18) 配400W伺服接口



SFLTJ130-10(18) 配57步进接口

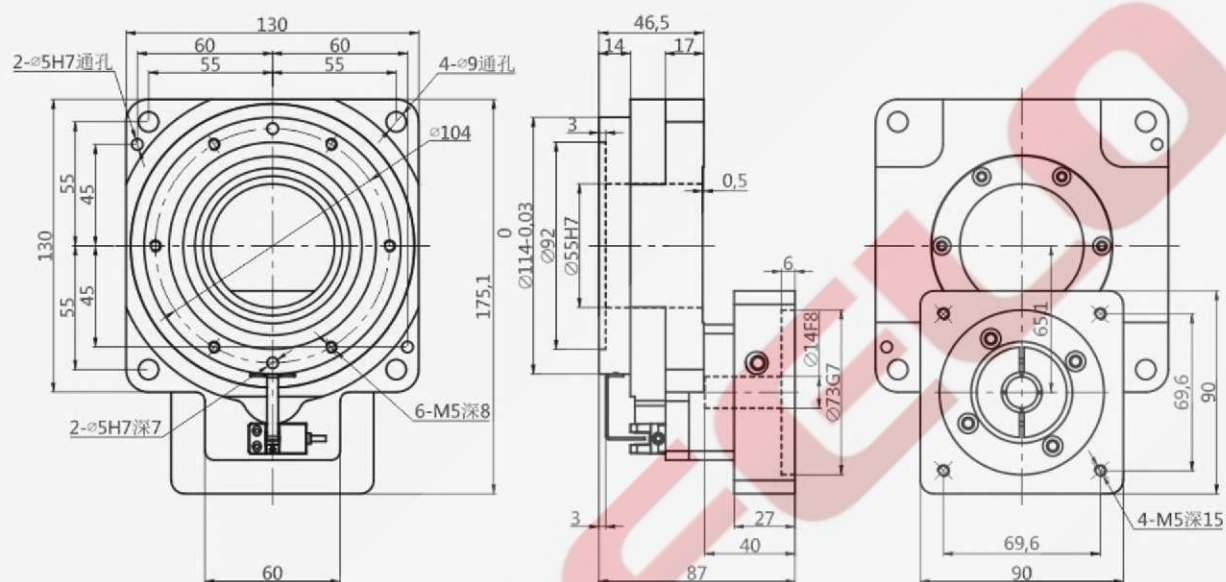


* 以上技术参数仅供参考, 实际根据客户提供的数据, 会出具相关的技术参数及尺寸。

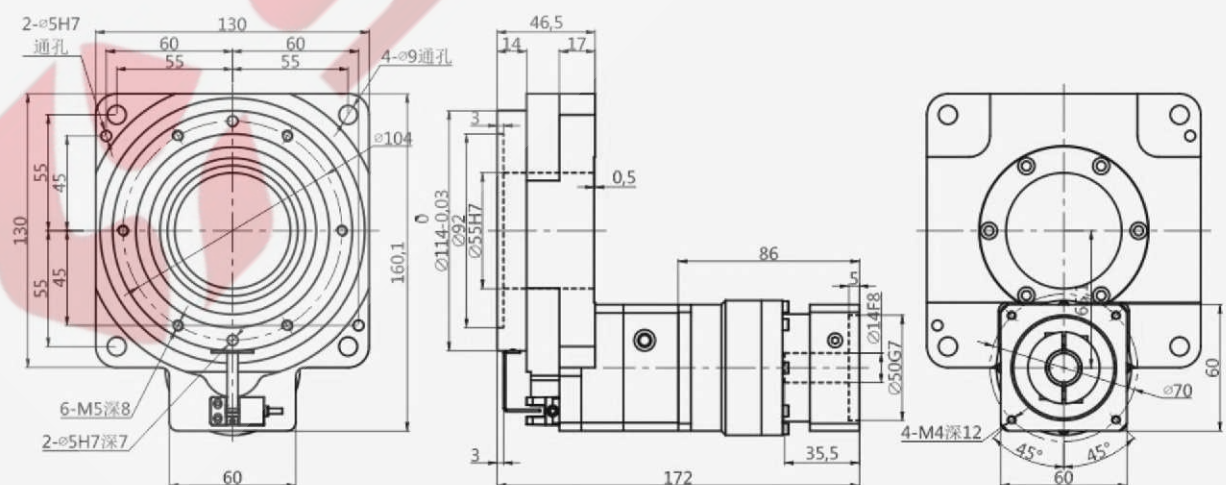
外形尺寸图表

OUTLINE DIMENSIONAL

SFLTJ130-10(18) 配86步进口



SFLTJ130JS-30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。

订货型号标示

ORDERING REPRESENTATION



SFLTJ	-	200	-	JS	-	10	-	19	-	70	-	90
系列		型号规格		选配		速比		电机轴径		电机定位凸台		电机安装孔距
SFLT		130		RL: 直角标准		10/18						注: (伺服电机安装面对角孔距)
SFLTJ		200		RY: 直角右								(步进电机安装面单边孔距)
SFLTZ		280		RZ: 直角左								
SFLM				JS: 同轴减速机								
SFLMD												
SFLN												

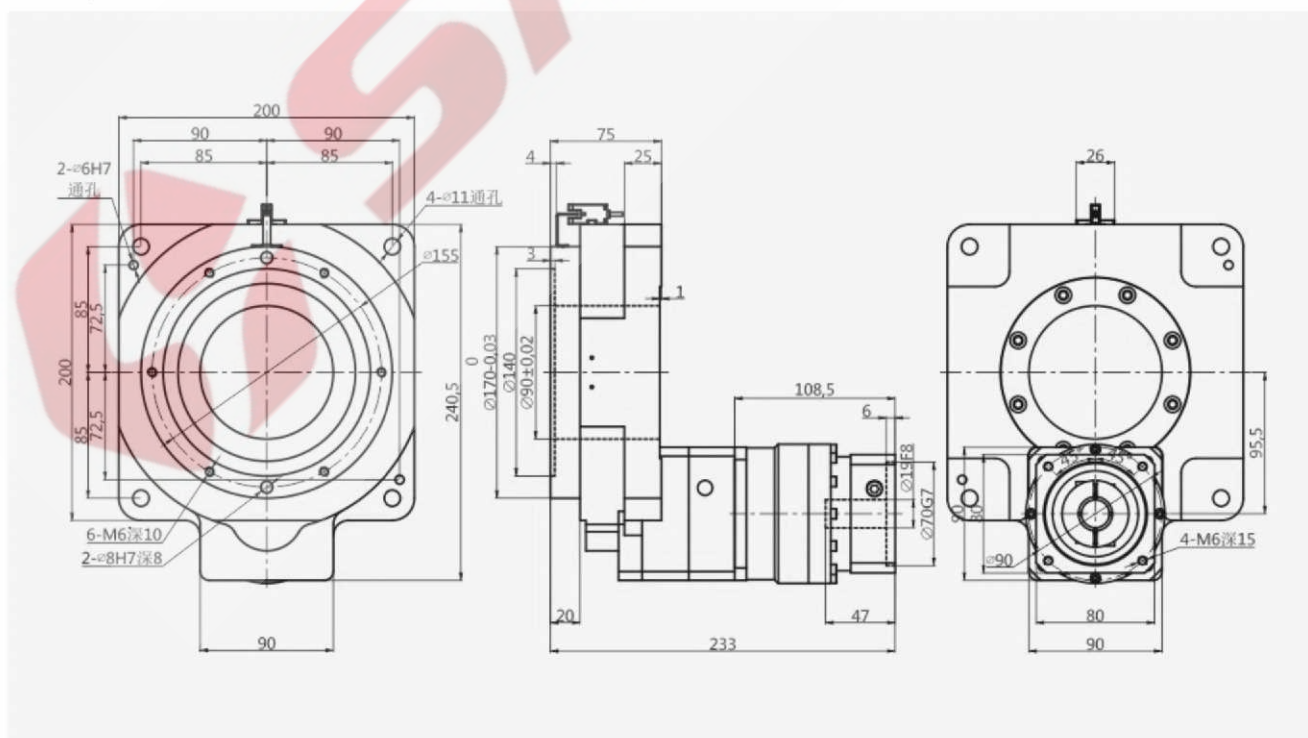
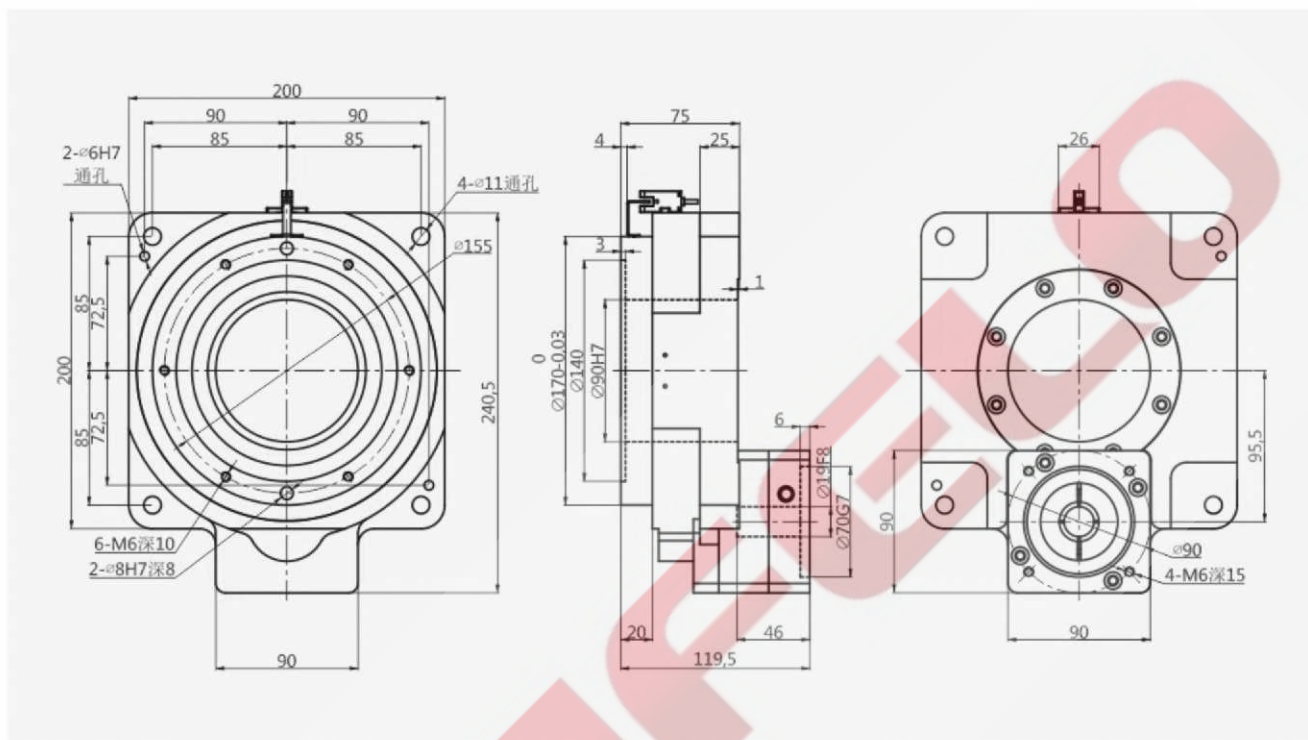
技术参数

Technical Parameter

型号 Model			SFLTJ200		SFLTJ200JS				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing						
减速比	Reduction ratio	I	10	18	30	40	50	70	100
额定输出扭矩	Rated output torque	N.m	90	65	90	90	90	90	90
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	≤15		≤30				
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	750-1000						
适配步进马达	Suitable for stepping motor		86-110 步进 Stepper						
容许轴向负载	Allowable axial load	N	5000						
容许惯性力矩	Allowable moment of inertia	N.m	100						
扭转刚性	Torsional rigidity	N.m/arcmin	32						
倾覆力矩	Overturning moment	N.m	1820						
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation						
防护等级	Protection level	IP	50						
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	≤0.02						
传动效率	Transmission efficiency	%	95		90				
噪音	Noise	db	≤63		≤63				
重量	Weight	kg	10		13.3				
设计承重	Design load	kg	90		65				

② 旋转平台平行度有更高要求请联系我司销售人员

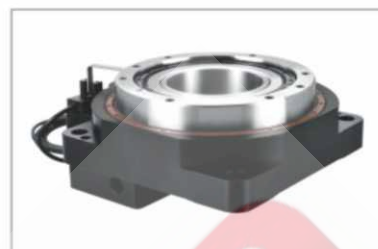
If the parallelism of the rotating platform has higher requirements, please contact our sales staff



* 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。

订货型号标示

ORDERING REPRESENTATION



SFLTJ	-	280	-	10	-	19	-	70	-	90
系列		型号规格		速比		电机轴径		电机定位凸台		电机安装孔距
SFLT		130								
SFLTJ		200								
SFLTZ		280								
SFLM										
SFLMD										
SFLN										

注: (伺服电机安装面对角孔距)
(步进电机安装面单边孔距)

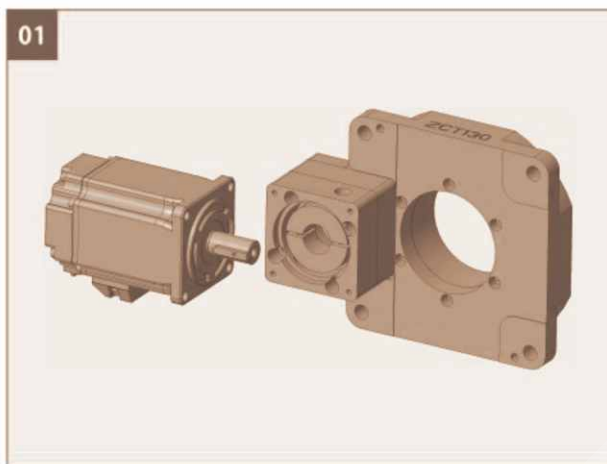
技术参数

Technical Parameter

型号 Model			SFLTJ280	SFLTJ280JS				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing					
减速比	Reduction ratio	I	10	30	40	50	70	100
额定输出扭矩	Rated output torque	N.m	170					
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	≤15	≤30				
容许盘面转速	Allowable disk speed	rpm	150 (间歇运转) Intermittent operation					
适配伺服马达	Adapt to servo motor	W	1000-2000					
适配步进马达	Suitable for stepping motor		110 步进 Stepper					
容许轴向负载	Allowable axial load	N	10000					
容许惯性力矩	Allowable moment of inertia	N.m	200					
扭转刚性	Torsional rigidity	N.m/arcmin	58					
倾覆力矩	Overturning moment	N.m	3780					
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation					
防护等级	Protection level	IP	50					
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	≤0.015					
旋转平台平行度	Parallelism of rotating platform	mm	≤0.03					
传动效率	Transmission efficiency	%	95	90				
噪音	Noise	db	≤67	≤67				
重量	Weight	kg	23	31				
设计承重	Design load	kg	170	170				

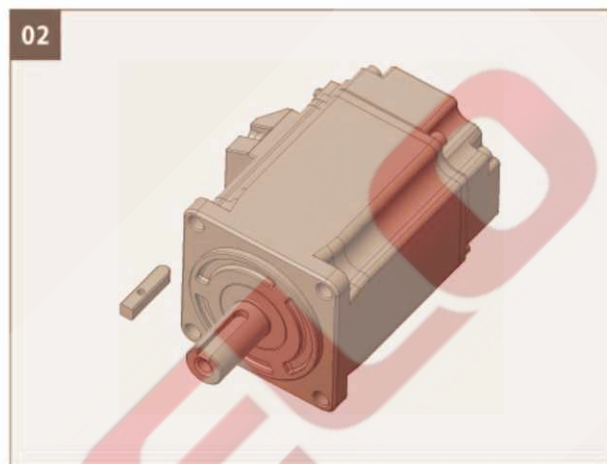
⑧ 旋转平台平行度有更高要求请联系我司销售人员

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



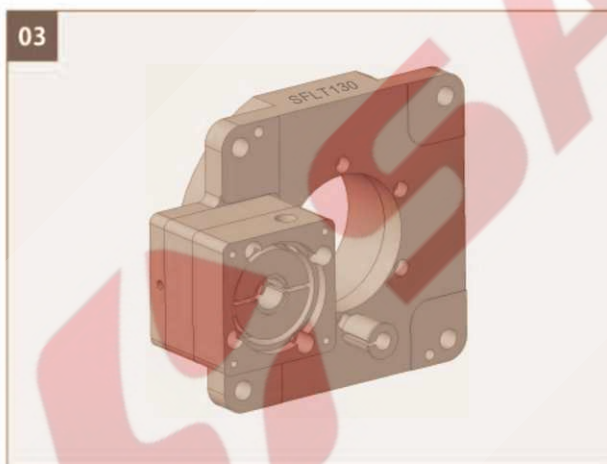
先确认马达和旋转平台是否完好。核对马达与旋转平台连接尺寸是否正确，并将两者配合面擦拭干净。

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.



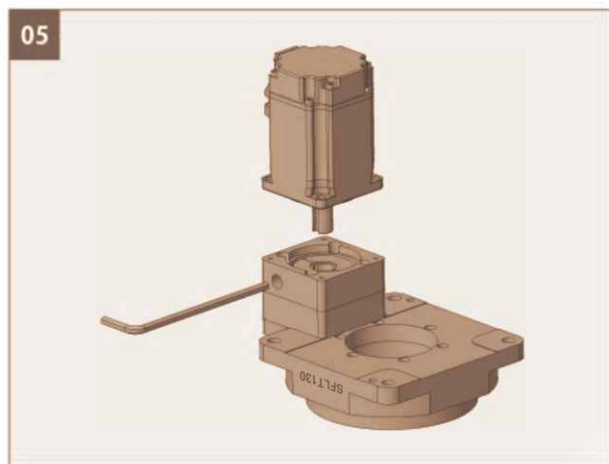
确定马达轴径，如需轴套，请先装进入力孔内，并与锁紧环的开槽口对齐。

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.



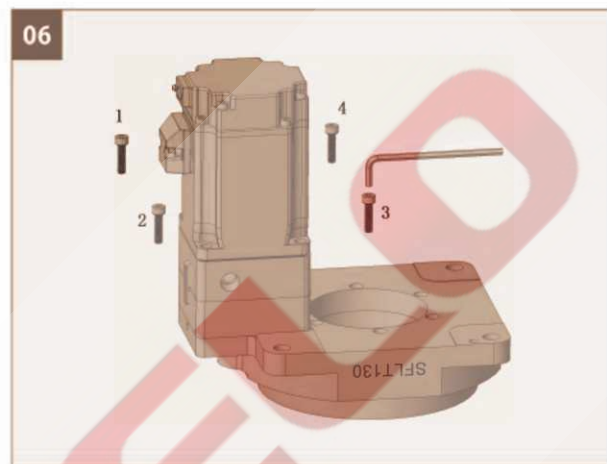
取出塞头，调整输入轴锁紧环使其紧固螺丝与塞头孔对齐，插入内六角扳手。

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.



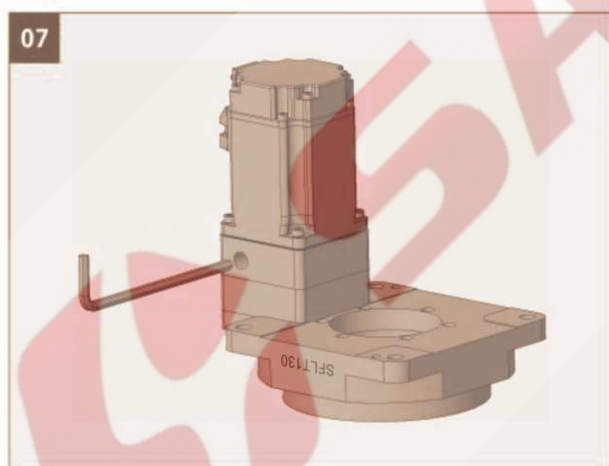
将马达垂直与旋转平台自然连接，严禁敲打。防止轴向力过大损坏轴承或齿轮。

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



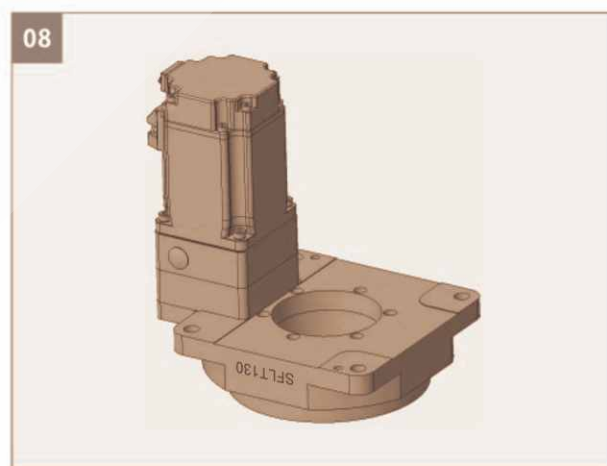
为保证受力均匀，请先将1，3对角位置的安装螺丝拧上，但不要拧紧；再拧2，4两个对角的安装螺丝。最后逐个拧紧四个安装螺丝。

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

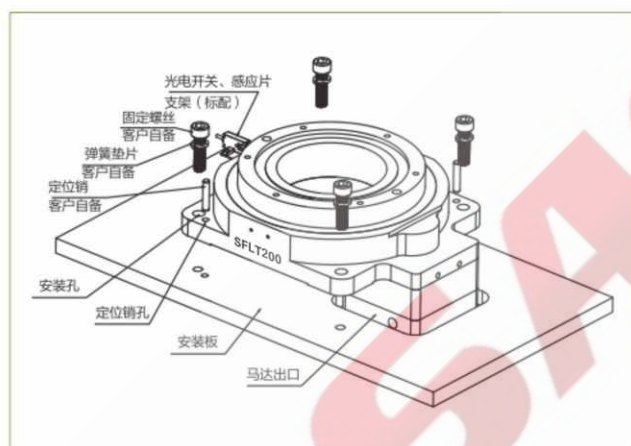
HOLLW ROTATING PLATFORM INSTALLATION INSTRUCTIONS

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)

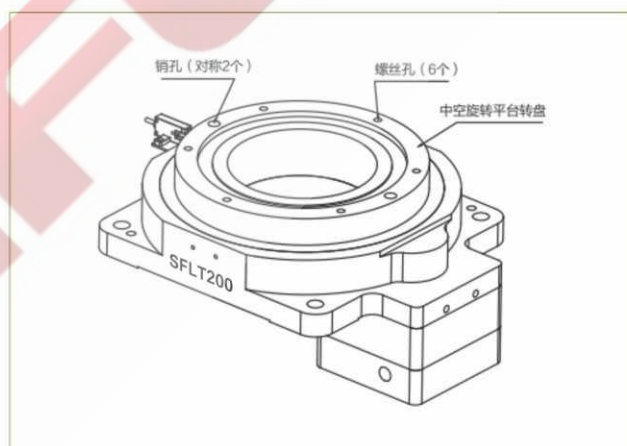


如何在中空旋转平台上安装负载

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

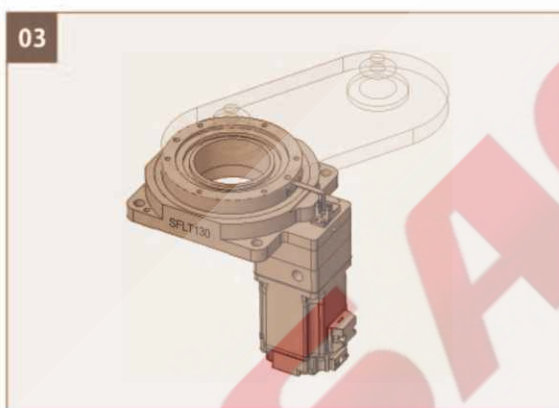
平台型号 Platform Model	销孔直径 Pin hole diameter mm	销孔深度 Pin hole depth mm	销孔数量 Number of pin holes
SFLT85	Φ4(H7)	6(穿孔)	2
SFLT130	Φ5(H7)	7(穿孔)	2
SFLTJ130			
SFLT200	Φ8(H7)	8(穿孔)	2
SFLTJ200			
SFLTZ200			
SFLT280	Φ8(H7)	12(穿孔)	2
SFLTJ280			
SFLTZ280			
SFLM130	Φ5(H7)	10(穿孔)	2
SFLM/SFLMD180	Φ6(H7)	12(穿孔)	2
SFLMD225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



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



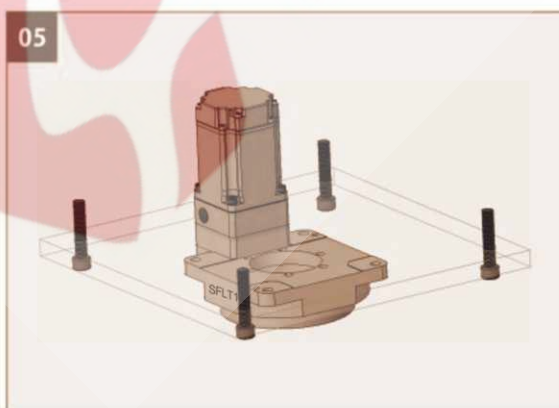
使用中空孔的应用
Applications using hollow holes



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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