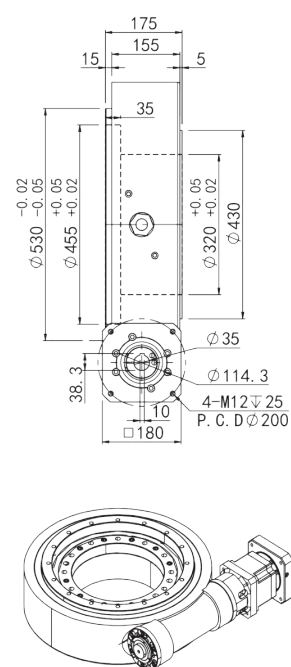
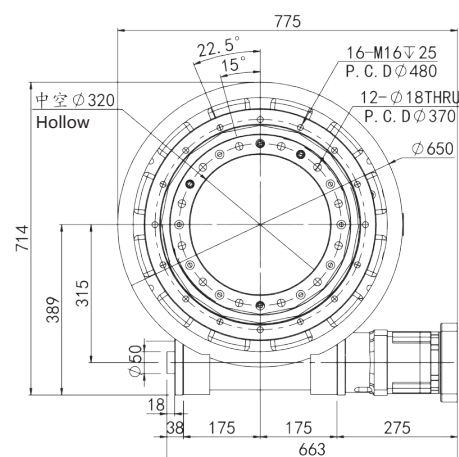


■ GYH315M-180K/240K/300K



大口径中空结构
配线、配管更方便简洁。

直接连接
可直接将工作台及机械手臂安装在旋转平台上。

寿命长
精度寿命可达 20000 小时。

适应多种安装形式
采用交叉滚子轴承，可水平安装、侧装、吊装。

马达配置自由
可自由选配各品牌步进马达或伺服马达。

Large Aperture Hollow Structure
Easy to wiring and piping.

Direct Connection
Rotary table can be directly installed with working table robot arms.

Long Life-span
The accuracy life can be reach 20000 hrs.

Multiple Installation
Adopting cross roller bearing, it can be installed in horizontal, suspension and side.

More Options for Motor Equip
Stepper and servo motor could be equipped.



标准型
Standard Model



标配开环步进马达
Equip Open Loop Stepper Motor



直角式
Right Angle



标配闭环步进马达
Equip Closed Loop Stepper Motor



行星式
Planetary

GSN

GSN

GSN

GSN

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GSN

GSN60

GSN	60	M	-	05K	-	SV1
系列代码 Series	规格 Size	结构形式 Type		减速比 Ratio		马达规格 Motor
	60 85 110 130 200 280 450	无：标准型 Z：直角式 M：行星式 None: Standard Z: Right Angle M: Planetary				SV1：伺服 Ø8 PCD45,M3 SV2：伺服 Ø8 PCD46,M4 适配各品牌 100W AC 伺服马达 ST1：步进 Ø5 PCD43.8,M3 ST2：步进 Ø6 PCD43.8,M3 适配各品牌 42 型步进马达 OS：标配开环步进马达 CS：标配闭环步进马达
						SV1: Servo Ø8 PCD45,M3 SV2: Servo Ø8 PCD46,M4 Suit for 100W AC Servo Motor ST1: Stepper Ø5 PCD43.8,M3 ST2: Stepper Ø6 PCD43.8,M3 Suit for 42 Stepper Motor OS: Dedicated Open Loop Stepper Motor CS: Dedicated Closed Loop Stepper Motor

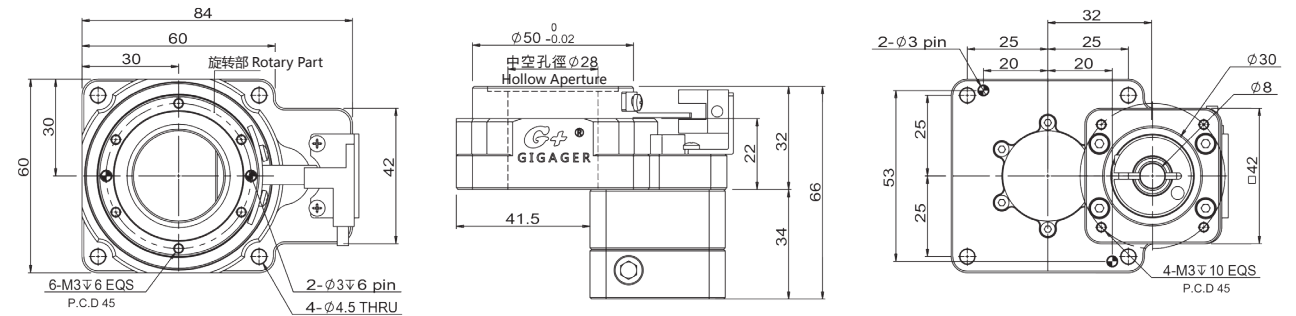
■ 技术参数 Technical Parameters

技术参数 Technical Parameters		型号规格 Model				
		GSN60		GSN60Z	GSN60M	
旋转平台轴承 Bearing of Rotary Table		交叉滚子轴承 Cross Roller Bearing				
减速比 Gear Ratio	i	5	10	18	15	20
容许转矩 Allowable Torque	N.m	5.2	4.0	1.2	5.2	
容许盘面转速 Allowable Table Speed	rpm	200		40	200	
重复定位精度 Repeatability	arc-sec	≤ 10				≤ 15
容许惯性力矩 Allowable Overturning Moment	N.m	5				
定位精度 Positioning Accuracy	arc-min	≤ 1				
容许轴向负载 Allowable Axial Load	N	250				
旋转平台平面度 Table Flatness	mm	≤ 0.01				
旋转平台同心度 Table Concentricity	mm	≤ 0.01				
保护等级 Ingress Protection	IP	40				
重量 Weight	kg	0.6			1	1.1

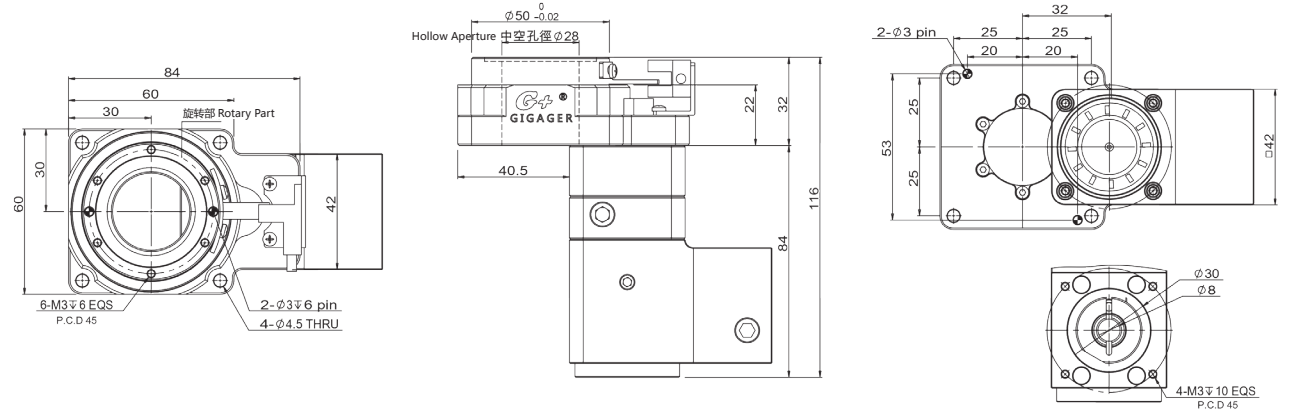
■ 马达 / 驱动器参数 Motor/Drive Parameters

马达 / 驱动器参数 Motor/Drive Parameters		型号规格 Model	
		GSN60-18K-OS	GSN60-18K-CS
外框尺寸 Frame Size	mm	28	
额定电流 Rated Current	A/phase	1	
线圈阻抗 Coil Impedance	Ω/phase	3.0	
线圈感抗 Coil Inductive	mh	2.2	
保持转矩 Holding Torque	N.m	0.14	
转动惯量 Moment of Inertia	g.cm ²	18	
编码器解析度 Encoder Resolution	P/R	-	2500
防护等级 Ingress Protection	IP	20	
步距角 Step Angle	°	1.8	
驱动器配置 Drive Configuration		-	专用驱动器 Dedicated Drive
驱动器输入电压 Drive Input Voltage		-	DC24V
驱动器指令输入形式 Drive Command Input Form		-	脉冲 + 方向 DC5V Pulse + Direction DC5V

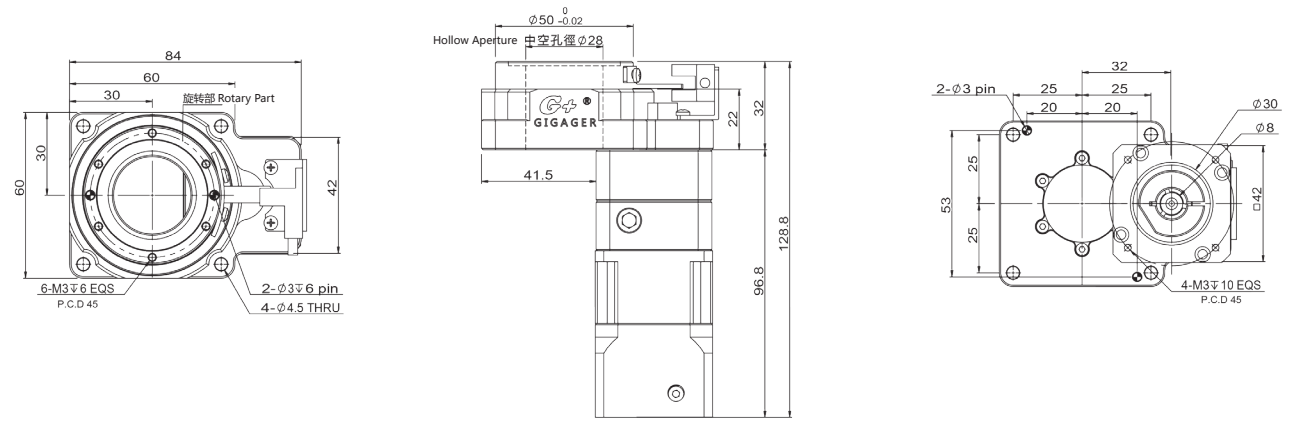
■ GSN60-05K



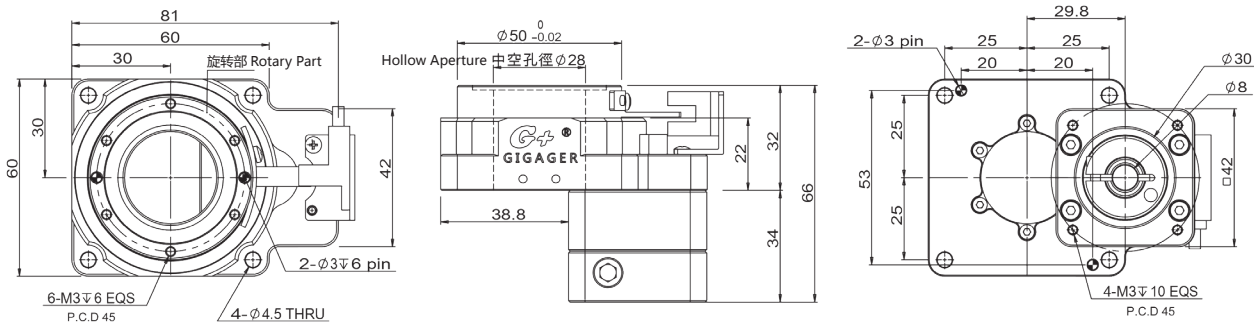
■ GSN60Z



■ GSN60M



■ GSN60-10K



GSN85

GSN

85

M

- 05K -

SV1

系列代码
Series

规格
Size

结构形式
Type

减速比
Ratio

马达规格
Motor

60
85
110
130
200
280
450

无：标准型
Z：直角式
M：行星式

None: Standard
Z: Right Angle
M: Planetary

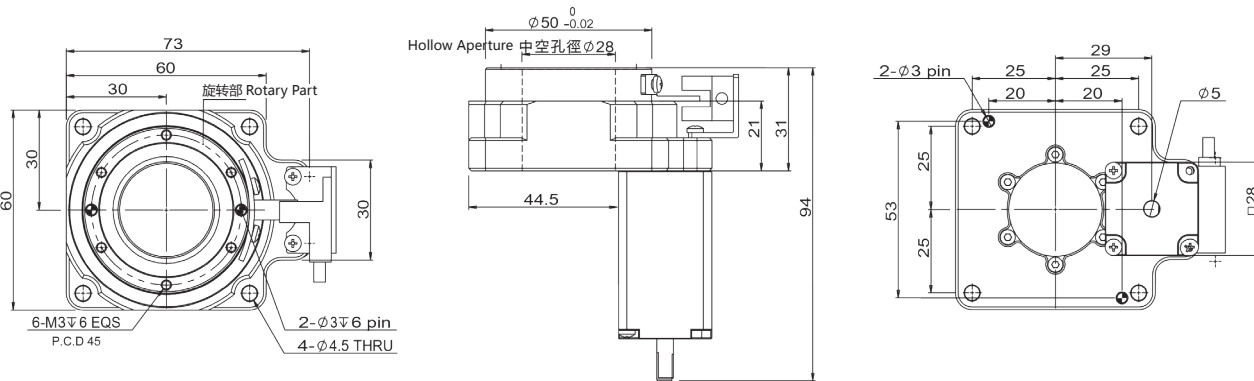
SV1：伺服 Ø14 PCD70,M4
SV2：伺服 Ø14 PCD70,M5
SV3：伺服 Ø11 PCD70,M4
适配各品牌 200~400W AC 伺服马达

SV1: Servo Ø14 PCD70,M4
SV2: Servo Ø14 PCD70,M5
SV3: Servo Ø11 PCD70,M4
Suit for 200~400W AC Servo Motor

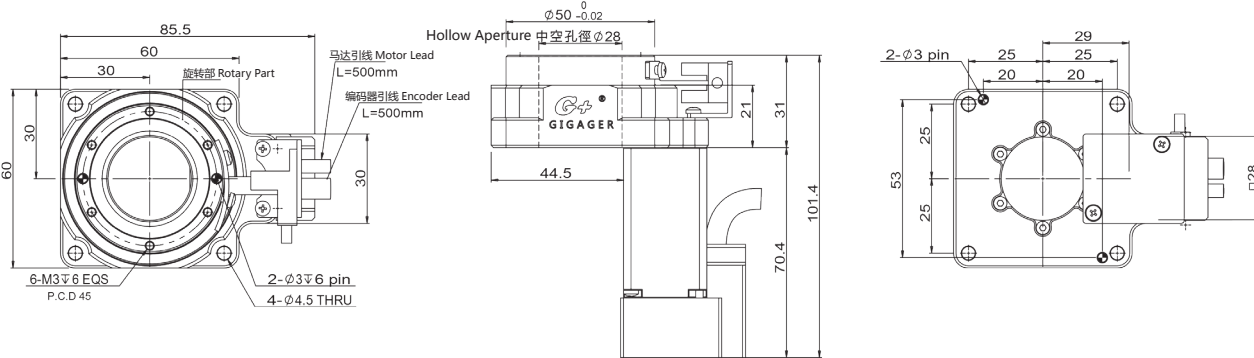
ST1：步进 Ø6.35 PCD66.67,M4
ST2：步进 Ø6.35 PCD70.7,M4
ST3：步进 Ø8 PCD70.7,M4
ST4：步进 Ø8 PCD66.67,M4
适配各品牌 57 型 /60 型步进马达

ST1: Stepper Ø6.35 PCD66.67,M4
ST2: Stepper Ø6.35 PCD70.7,M4
ST3: Stepper Ø8 PCD70.7,M4
ST4: Stepper Ø8 PCD66.67,M4
Suit for 57/60 Stepper Motor

■ GSN60-18K-OS



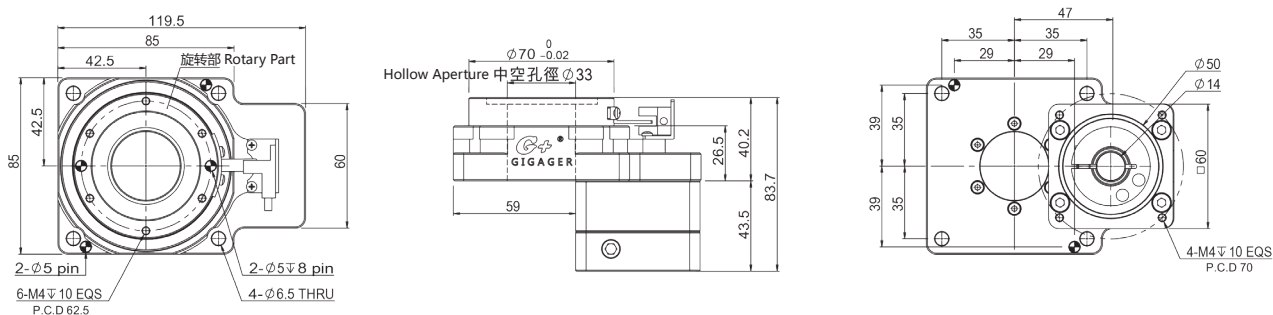
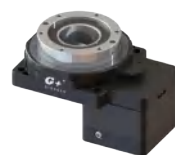
■ GSN60-18K-CS



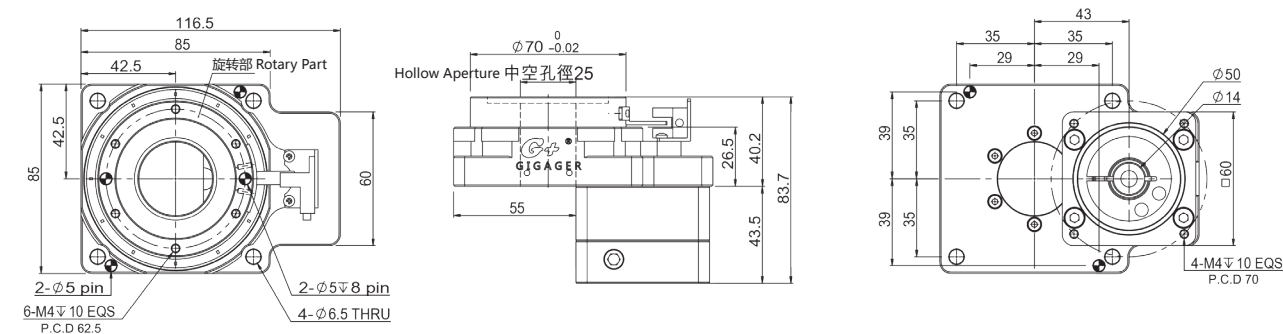
■ 技术参数 Technical Parameters

技术参数 Technical Parameters	型号规格 Model												
	GSN85		GSN85Z					GSN85M					
旋转平台轴承 Bearing of Rotary Table	交叉滚子轴承 Cross Roller Bearing												
减速比 Gear Ratio	i	5	10	10	15	20	30	15	20	25	35	50	
容许转矩 Allowable Torque	N.m	20	16	20	20	16	16	20	20	20	20	20	
容许盘面转速 Allowable Table Speed	rpm	200											
重复定位精度 Repeatability	arc-sec	≤ 10						≤ 15					
容许慣性力矩 Allowable Overturning Moment	N.m	10											
定位精度 Positioning Accuracy	arc-min	≤ 1											
容许轴向负载 Allowable Axial Load	N	500											
旋转平台平面度 Table Flatness	mm	≤ 0.01											
旋转平台同心度 Table Concentricity	mm	≤ 0.01											
保护等级 Ingress Protection	IP	40											
重量 Weight	kg	1.4		2.6									

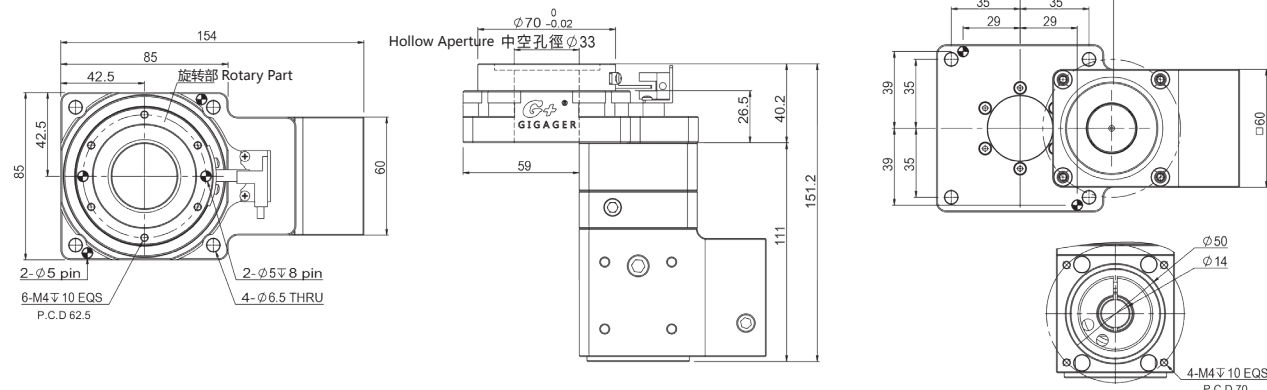
■ GSN85-05K



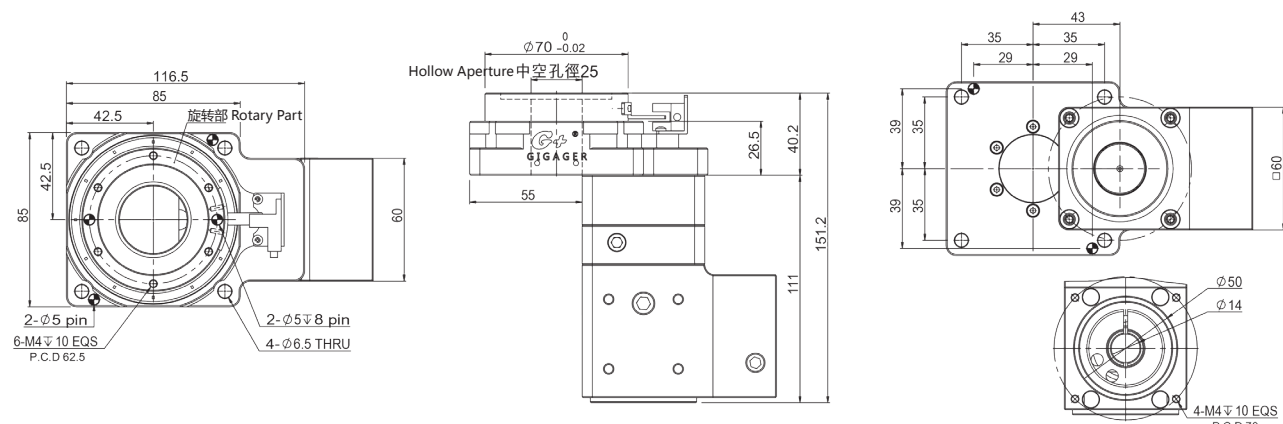
■ GSN85-10K



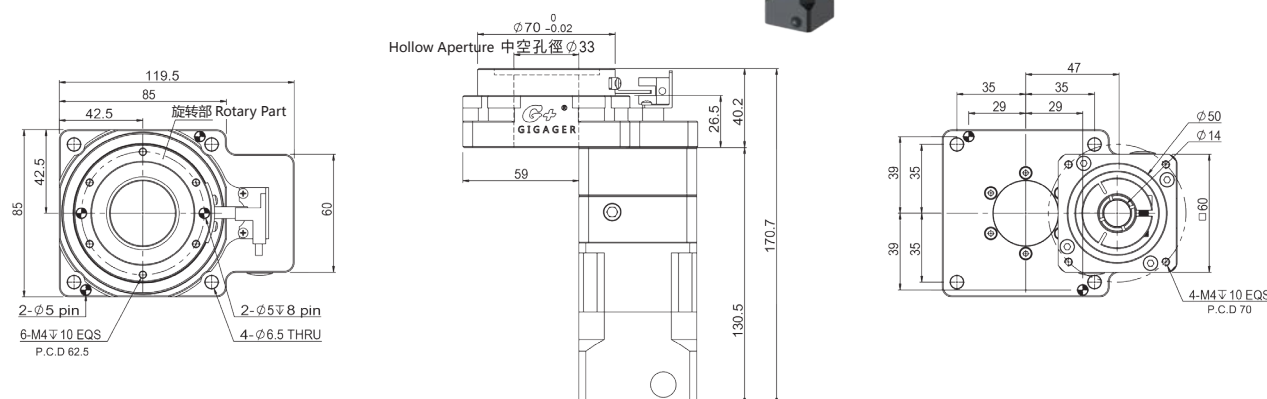
■ GSN85Z-10K/15K



■ GSN85Z-20K/30K



■ GSN85M-15K/20K/25K/35K/50K



GSN
GSB
GSG
GSZ
GMR
GMC
GMA
GML

GSN85

GSN	85	M	-	18K	-	SV1
系列代码 Series	规格 Size	结构形式 Type		减速比 Ratio		马达规格 Motor
	60	无：标准型 Z：直角式 M：行星式 None: Standard Z: Right Angle M: Planetary				
	85					
	110					
	130					
	200					
	280					
	450					
SV1：伺服 Ø8 PCD45,M3 SV2：伺服 Ø8 PCD46,M4 适配各品牌 100W AC 伺服马达						SV1: Servo Ø8 PCD45,M3 SV2: Servo Ø8 PCD46,M4 Suit for 100W AC Servo Motor
ST1：步进 Ø5 PCD43.8,M3 ST2：步进 Ø6 PCD43.8,M3 适配各品牌 42 型步进马达						ST1: Stepper Ø5 PCD43.8,M3 ST2: Stepper Ø6 PCD43.8,M3 Suit for 42 Stepper Motor
OS：标配开环步进马达 CS：标配闭环步进马达						OS: Dedicated Open Loop Stepper Motor CS: Dedicated Closed Loop Stepper Motor

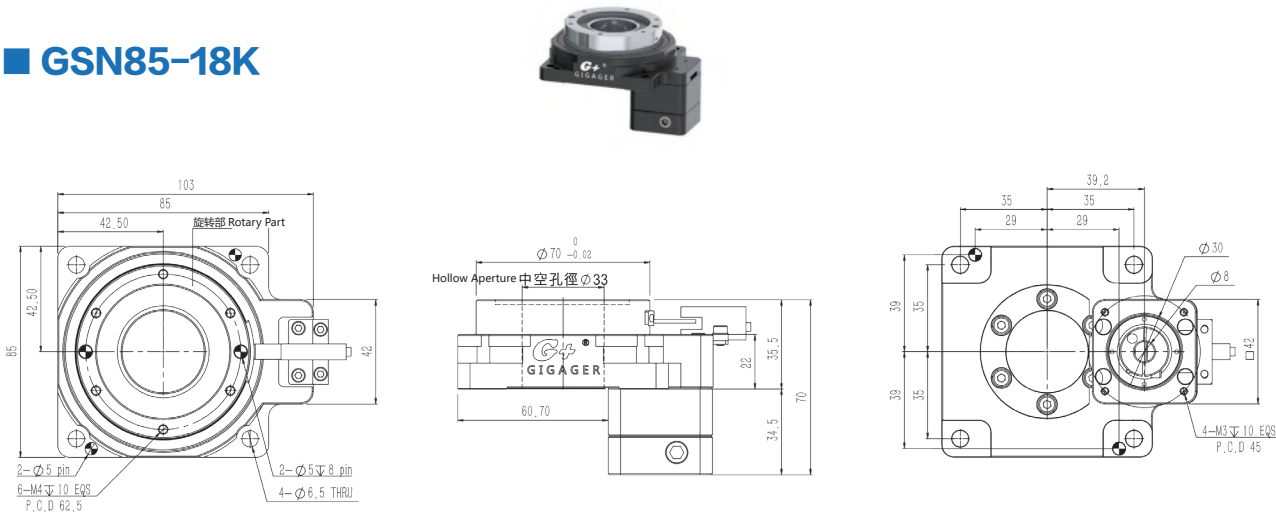
■ 技术参数 Technical Parameters

技术参数 Technical Parameters		型号规格 Model		
		GSN85-18K	GSN85-18K-OS	GSN85-18K-CS
旋转平台轴承 Bearing of Rotary Table		交叉滚子轴承 Cross Roller Bearing		
减速比 Gear Ratio	i	18		
容许转矩 Allowable Torque	N.m	3.2		
容许盘面转速 Allowable Table Speed	rpm	150	50	150
重复定位精度 Repeatability	arc-sec	≤ 10		
容许惯性力矩 Allowable Overturning Moment	N.m	10		
定位精度 Positioning Accuracy	arc-min	≤ 1		
容许轴向负载 Allowable Axial Load	N	500		
旋转平台平面度 Table Flatness	mm	≤ 0.01		
旋转平台同心度 Table Concentricity	mm	≤ 0.01		
保护等级 Ingress Protection	IP	40		
重量 Weight	kg	1	1.2	1.3

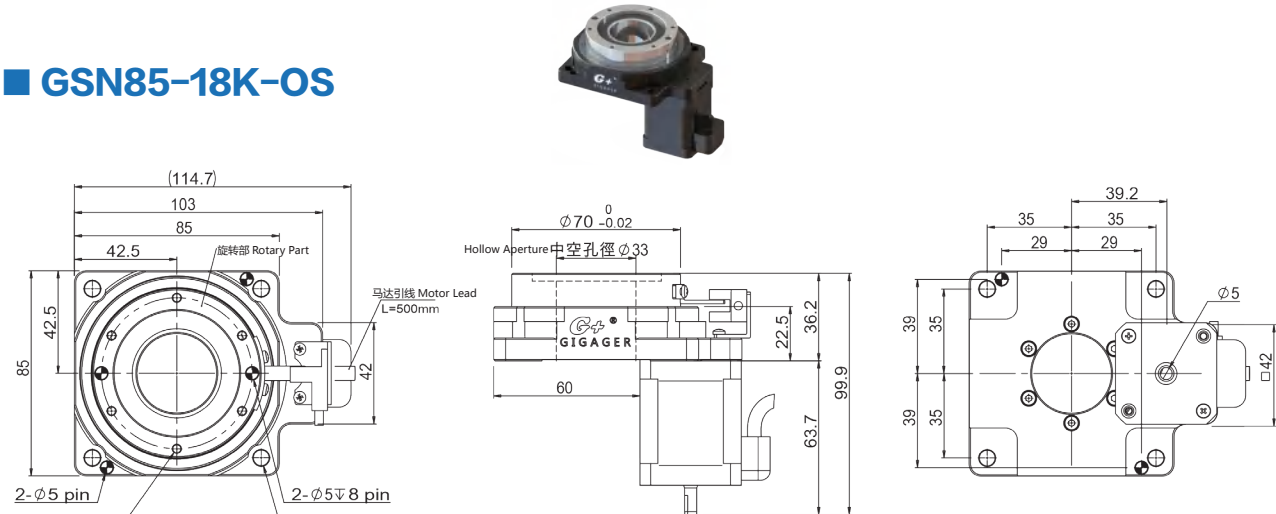
■ 马达 / 驱动器参数 Motor/Drive Parameters

马达 / 驱动器参数 Motor/Drive Parameters		型号规格 Model	
		GSN85-18K-OS	GSN85-18K-CS
外框尺寸 Frame Size	mm	42	
额定电压 Rated Voltage	V/phase	3.25	
额定电流 Rated Current	A/phase	1.3	
线圈阻抗 Coil Impedance	Ω/phase	2.5	
线圈感抗 Coil Inductive	mh	6.0	
保持转矩 Holding Torque	N.m	0.6	
转动惯量 Moment of Inertia	g.cm ²	82	
编码器解析度 Encoder Resolution	P/R	-	2500
防护等级 Ingress Protection	IP	20	
步距角 Step Angle	°	1.8	
驱动器配置 Drive Configuration		-	专用驱动器 Dedicated Drive
驱动器输入电压 Drive Input Voltage		-	DC24V
驱动器指令输入形式 Drive Command Input Form		-	脉冲 + 方向 DC5V Pulse + Direction DC5V

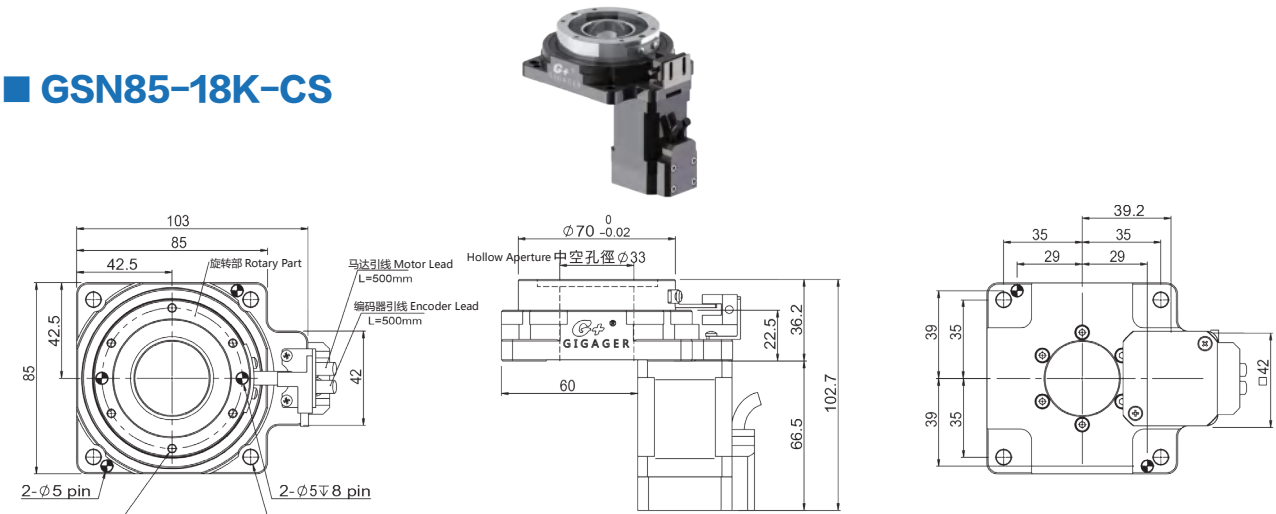
■ GSN85-18K



■ GSN85-18K-OS



■ GSN85-18K-CS



■ **GSN110-10K/18K**

[illegible]

The technical drawings illustrate the GIGAGER G-6000 series gear pump assembly from three perspectives:

- Front View (Left):** Shows the main body with overall dimensions of 174 mm width and 110 mm height. Key features include a rotary part (rotary vane) with a diameter of 139 mm, four mounting holes (4- $\phi 6.5$ THRU), two pin locations (2- $\phi 5$ pin), and six M5 threaded holes (6-M5 ∇ 10EQS P.C.D. 80).
- Side View (Middle):** Displays the side profile with a total length of 148.5 mm. It highlights the hollow aperture (Hollow Aperture / 中空孔径 $\phi 48$) at the top, a gear section with a diameter of $\phi 96_{-0.02}$, and a base flange with a diameter of $\phi 50$. Mounting holes are specified as 4-M4 ∇ 10EQS P.C.D. 70.
- Top View (Right):** Provides a plan view of the assembly, showing the circular arrangement of the six M5 threaded holes and the central hollow aperture.

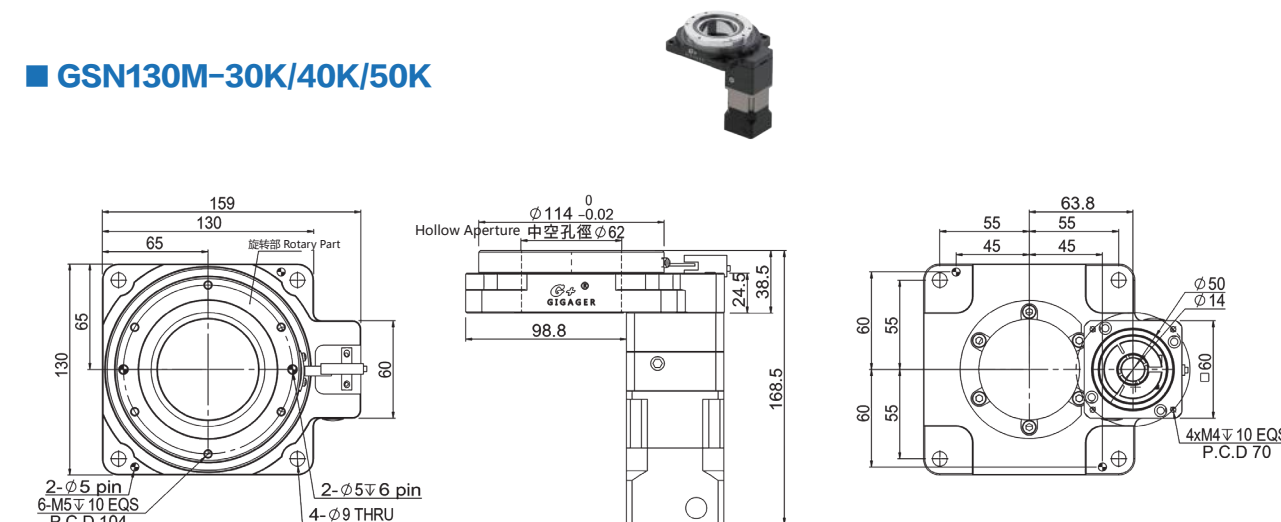
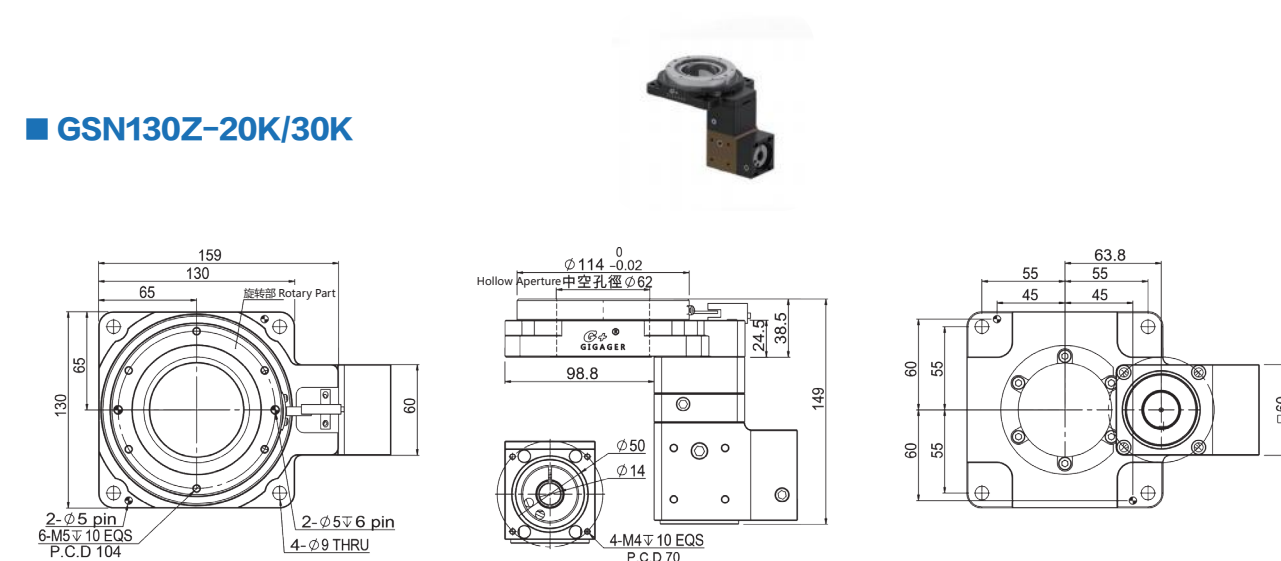
技术参数 Technical Parameters	型号规格 Model							
	GSN110		GSN110Z		GSN110M			
旋转平台轴承 Bearing of Rotary Table	交叉滚子轴承 Cross Roller Bearing							
减速比 Gear Ratio	i	10	18	20	30	30	40	50
容许转矩 Allowable Torque	N.m	24	14	24				
容许盘面转速 Allowable Table Speed	rpm	200						
重复定位精度 Repeatability	arc-sec	≤ 10				≤ 15		
容许慣性力矩 Allowable Overturning Moment	N.m	30						
定位精度 Positioning Accuracy	arc-min	≤ 1						
容许轴向负载 Allowable Axial Load	N	1200						
旋转平台平面度 Table Flatness	mm	≤ 0.01						
旋转平台同心度 Table Concentricity	mm	≤ 0.01						
保护等級 Ingress Protection	IP	40						
重量 Weight	kg	2		3.3				

■ **GSN130-10K/18K**

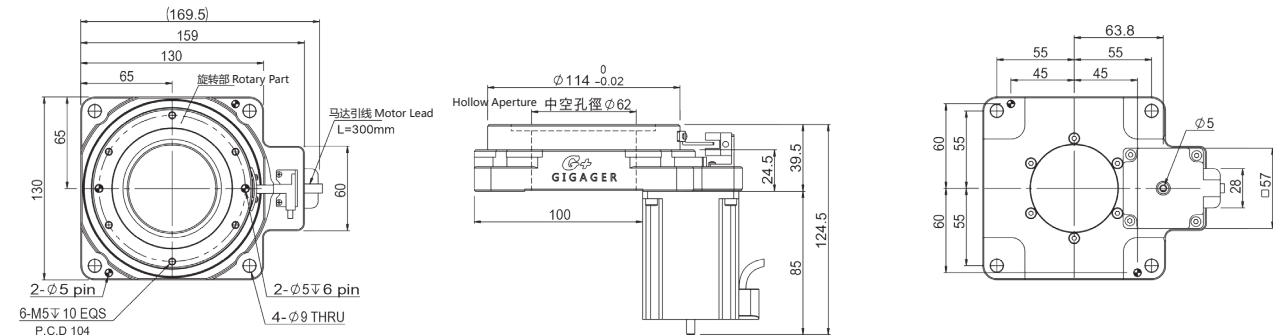
■ 技术参数 Technical Parameters

■ **GSN130Z-20K/30K**

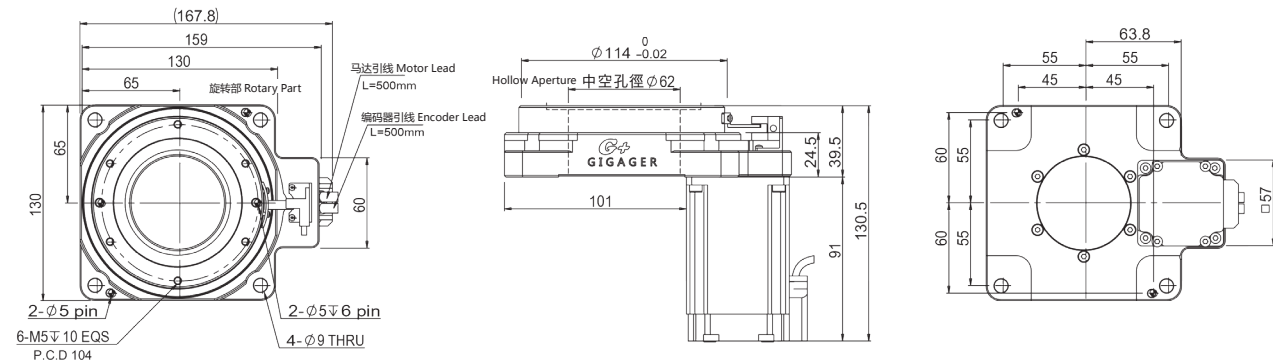
■ **GSN130M-30K/40K/50K**



GSN130-18K-OS



GSN130-18K-CS



GSN200

GSN	200	M	-	10K	-	SV1
系列代码 Series	规格 Size	结构形式 Type		减速比 Ratio		马达规格 Motor
	60	无：标准型 Z：直角式 M：行星式 None: Standard Z: Right Angle M: Planetary				SV1：伺服 Ø19 PCD90,M5 SV2：伺服 Ø19 PCD90,M6 适配各品牌 750W AC 伺服马达
	85					SV1: Servo Ø19 PCD90,M5 SV2: Servo Ø19 PCD90,M6 Suit for 750W AC Servo Motor
	110					ST1：步进 Ø14 PCD98.4,M5 ST2：步进 Ø14 PCD98.4,M6 适配各品牌 86 型步进马达
	130					ST1: Stepper Ø14 PCD98.4,M5 ST2: Stepper Ø14 PCD98.4,M6 Suit for 86 Stepper Motor
	200					OS：标配开环步进马达 CS：标配闭环步进马达
	280					OS: Dedicated Open Loop Stepper Motor CS: Dedicated Closed Loop Stepper Motor
	450					

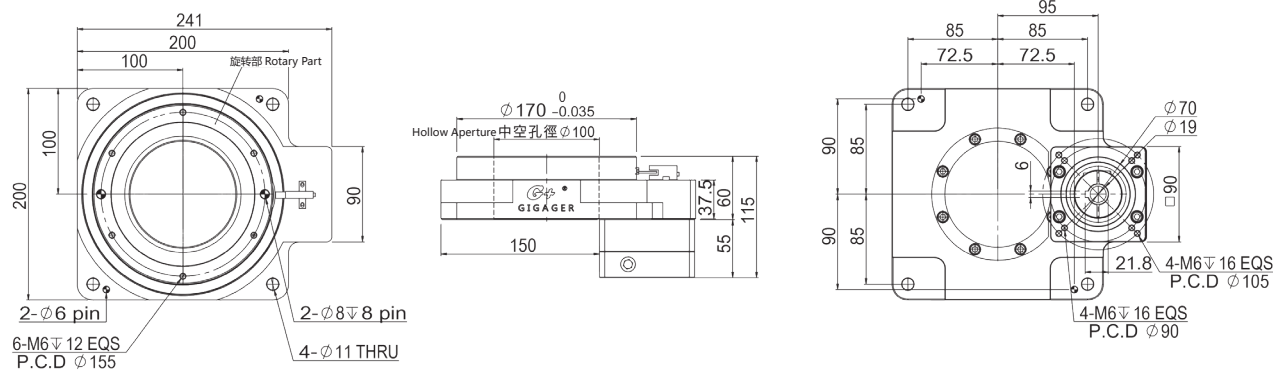
技术参数 Technical Parameters

技术参数 Technical Parameters		型号规格 Model							
		GSN200			GSN200Z		GSN200M		
旋转平台轴承 Bearing of Rotary Table		交叉滚子轴承 Cross Roller Bearing							
减速比 Gear Ratio	i	10	18		20	30	30	40	50
容许转矩 Allowable Torque	N.m	90	65		90				
容许盘面转速 Allowable Table Speed	rpm	200	150 OS:60 / CS:120		200				
重复定位精度 Repeatability	arc-sec	≤ 10					≤ 15		
容许惯性力矩 Allowable Overturning Moment	N.m	100							
定位精度 Positioning Accuracy	arc-min	≤ 1							
容许轴向负载 Allowable Axial Load	N	4000							
旋转平台平面度 Table Flatness	mm	≤ 0.01							
旋转平台同心度 Table Concentricity	mm	≤ 0.01							
保护等级 Ingress Protection	IP	40							
重量 Weight	kg	7.8 OS:8.8 / CS:9.1			12		11.5		

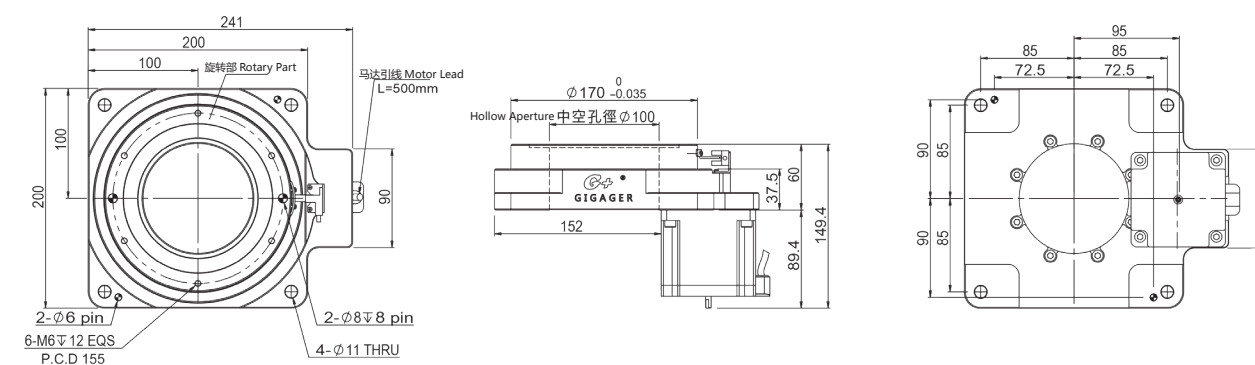
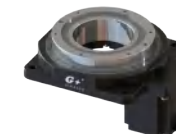
马达 / 驱动器参数 Motor/Drive Parameters

马达 / 驱动器参数 Motor/Drive Parameters	型号规格 Model	
	GSN200-18K-OS	GSN200-18K-CS
外框尺寸 Frame Size	mm	86
额定电流 Rated Current	A/phase	5.6
线圈阻抗 Coil Impedance	Ω/phase	0.6
线圈感抗 Coil Inductive	mh	5.2
保持转矩 Holding Torque	N.m	4.2
转动惯量 Moment of Inertia	g.cm ²	2500
编码器解析度 Encoder Resolution	P/R	- 2500
防护等级 Ingress Protection	IP	20
步距角 Step Angle	°	1.8
驱动器配置 Drive Configuration	-	专用驱动器 Dedicated Drive
驱动器输入电压 Drive Input Voltage	-	DC48V
驱动器指令输入形式 Drive Command Input Form	-	脉冲 + 方向 DC5V Pulse + Direction DC5V

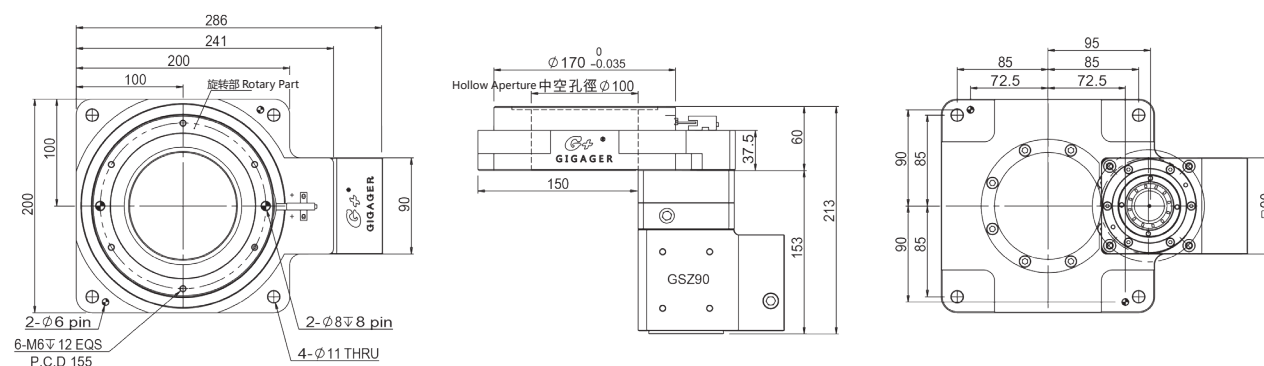
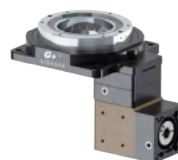
■ GSN200-10K/18K



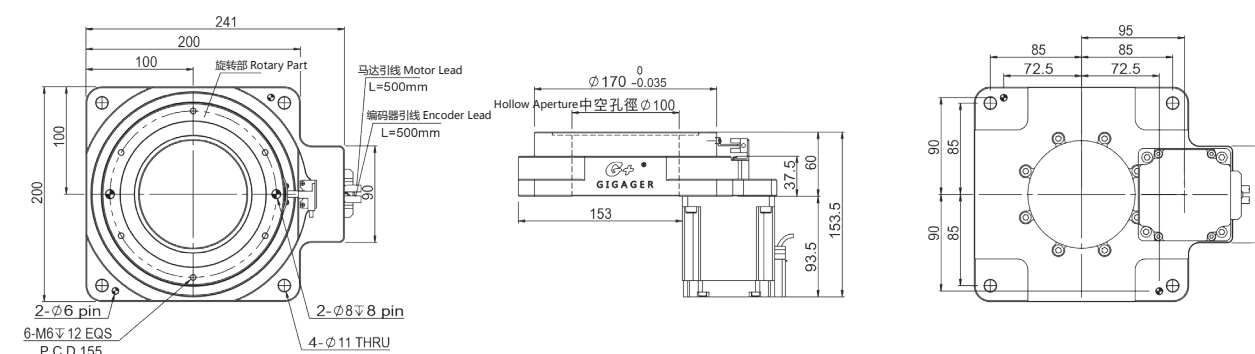
■ GSN200-18K-OS



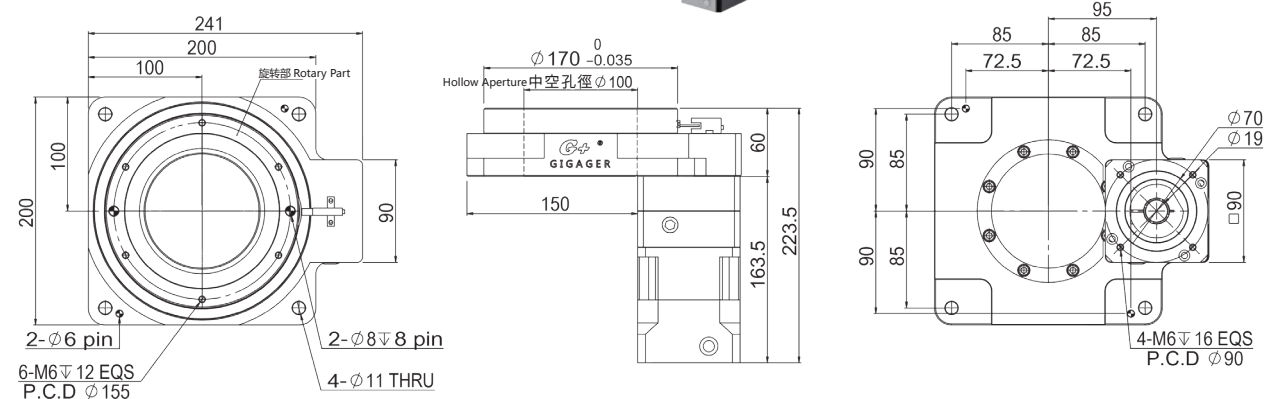
■ GSN200Z-20K/30K



■ GSN200-18K-CS



■ GSN200M-30K/40K/50K



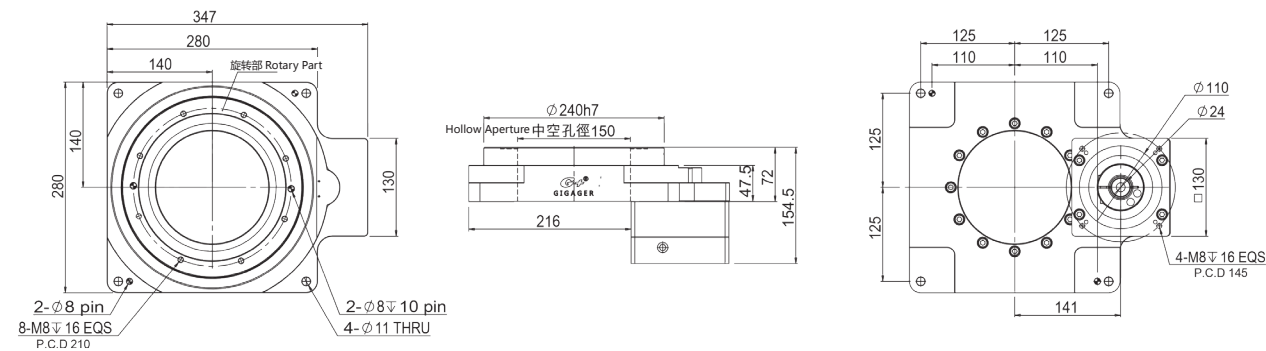
GSN280

GSN		280	-	10K	-	SV1	
系列代码 Series	规格 Size	结构形式 Type	减速比 Ratio		马达规格 Motor		
	60	无：标准型 M：行星式			SV1：伺服 Ø22 PCD145,M8 SV2：伺服 Ø24 PCD145,M8 适配各品牌 1000W AC 伺服马达		
	85						
	110	None：Standard M：Planetary					
	130						
	200						
	280						
	450						

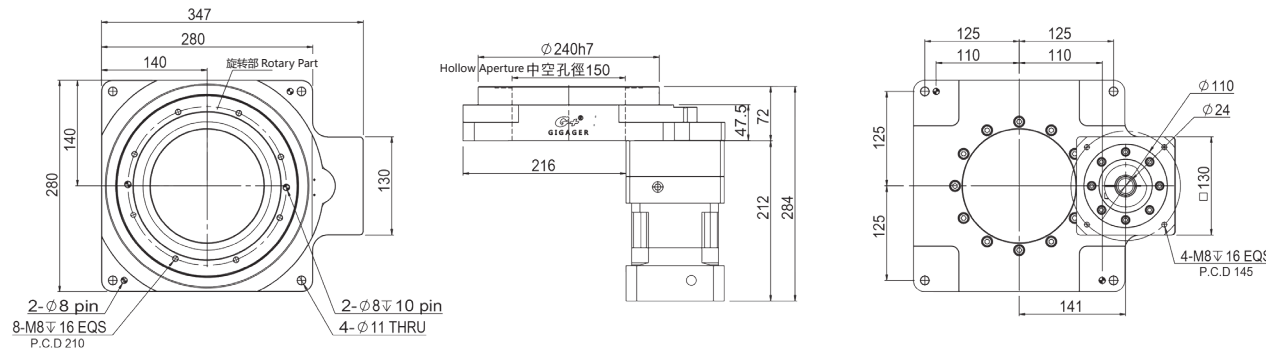
■ 技术参数 Technical Parameters

技术参数 Technical Parameters		型号规格 Model			
		GSN280	GSN280M		
旋转平台轴承 Bearing of Rotary Table		交叉滚子轴承 Cross Roller Bearing			
减速比 Gear Ratio	i	10	30	40	50
容许转矩 Allowable Torque	N.m	120			
容许盘面转速 Allowable Table Speed	rpm	200			
重复定位精度 Repeatability	arc-sec	≤ 10			≤ 15
容许惯性力矩 Allowable Overturning Moment	N.m	200			
定位精度 Positioning Accuracy	arc-min	≤ 1			
容许轴向负载 Allowable Axial Load	N	8000			
旋转平台平面度 Table Flatness	mm	≤ 0.01			
旋转平台同心度 Table Concentricity	mm	≤ 0.01			
保护等级 Ingress Protection	IP	40			
重量 Weight	kg	20	28		

■ GSN280-10K



■ GSN280M-30K/40K/50K



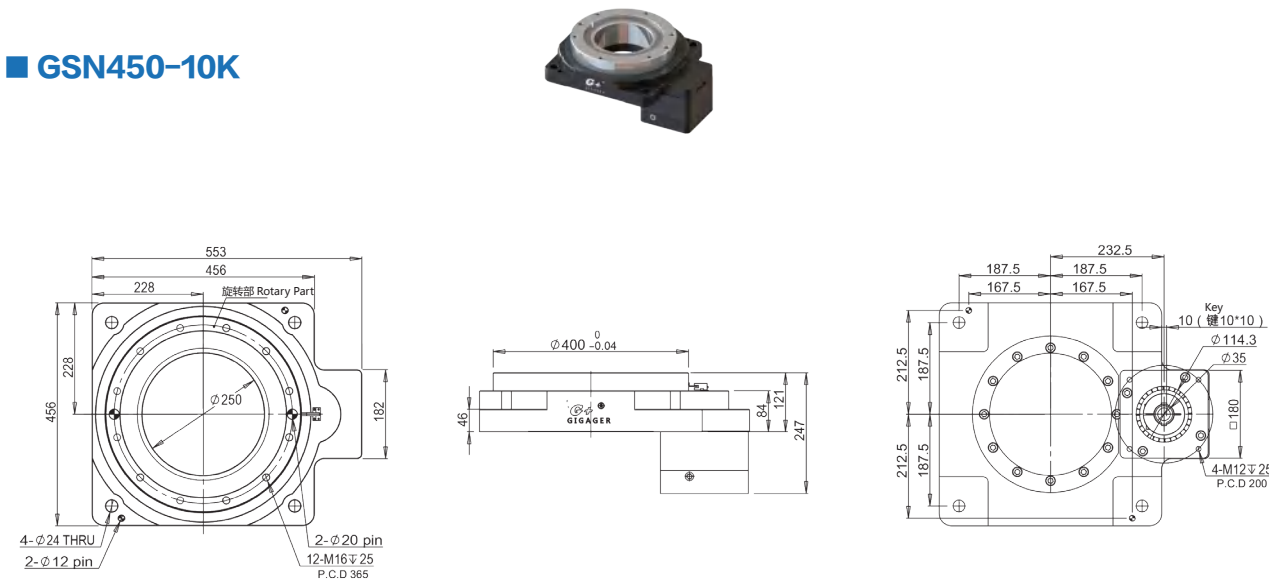
GSN450

GSN		450		-	10K		-	(a - b - c - d)									
系列代码 Series		规格 Size		结构形式 Type		减速比 Ratio		马达规格 Motor									
		60		无：标准型 M：行星式 None：Standard M: Planetary				<table><tr><td>a</td><td>马达输出轴直径 Motor output shaft diameter</td></tr><tr><td>b</td><td>马达止口直径 Motor spigot diameter</td></tr><tr><td>c</td><td>马达安装孔 PCD Motor mounting hole PCD</td></tr><tr><td>d</td><td>马达安装螺纹孔 Motor mounting threaded hole</td></tr></table> 依据马达连接尺寸确认 According to motor mounting size 例 /e.g.:(19-70-90-M5)		a	马达输出轴直径 Motor output shaft diameter	b	马达止口直径 Motor spigot diameter	c	马达安装孔 PCD Motor mounting hole PCD	d	马达安装螺纹孔 Motor mounting threaded hole
a	马达输出轴直径 Motor output shaft diameter																
b	马达止口直径 Motor spigot diameter																
c	马达安装孔 PCD Motor mounting hole PCD																
d	马达安装螺纹孔 Motor mounting threaded hole																
		85															
		110															
		130															
		200															
		280															
		450															

■ 技术参数 Technical Parameters

技术参数 Technical Parameters	型号规格 Model						
	GSN450	GSN450M					
旋转平台轴承 Bearing of Rotary Table	交叉滚子轴承 Cross Roller Bearing						
减速比 Gear Ratio	i	10	30	40	50	70	100
容许转矩 Allowable Torque	N.m	380					
容许盘面转速 Allowable Table Speed	rpm	150					
重复定位精度 Repeatability	arc-sec	≤ 10					≤ 15
容许惯性力矩 Allowable Overturning Moment	N.m	750					
定位精度 Positioning Accuracy	arc-min	≤ 1					
容许轴向负载 Allowable Axial Load	N	12000					
旋转平台平面度 Table Flatness	mm	≤ 0.01					
旋转平台同心度 Table Concentricity	mm	≤ 0.01					
保护等级 Ingress Protection	IP	40					
重量 Weight	kg	86.5	103.5				

■ GSN450-10K



■ GSN450M-30K/40K/50K/70K/100K

