



GR 系列蜗轮电动转台 GR Series Worm Electric Rotary Tables



大口径中空结构；
低重心，小体积，大传动比；
应用于光学传感、自动化设备等领域。

Large-aperture Hollow Structure
Low Centre of Gravity
Small Volume
Large Gear Ratio
Applied to Automation Equipment Fields

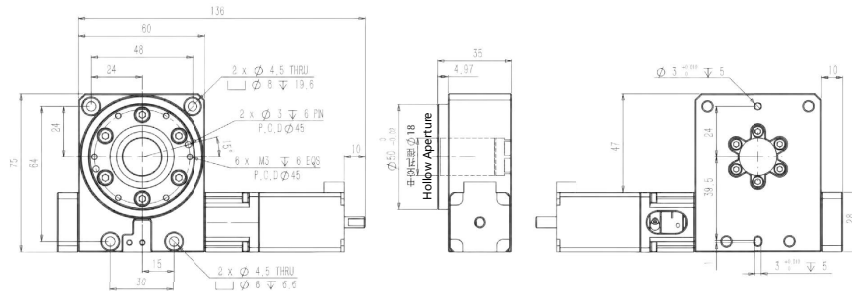
GR SERIES

GR	60	- 90K	- OS
系列代码 Series	规格 Size	减速比 Ratio	马达规格 Motor
	60		SV1 : 伺服 Ø8 PCD45,M3 SV2 : 伺服 Ø8 PCD46,M4 适配各品牌 100W AC 伺服马达 OS : 标配开环步进马达
	120		SV1: Servo Ø8 PCD45,M3 SV2: Servo Ø8 PCD46,M4 Suit for 100W AC Servo Motor OS: Dedicated Open Loop Stepper Motor
	200		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 OS : 标配开环步进马达
			SV1: Servo Ø14 PCD70,M4 SV2: Servo Ø14 PCD70,M5 SV3: Servo Ø11 PCD70,M4 Suit for 200~400W AC Servo Motor OS: Dedicated Open Loop Stepper Motor

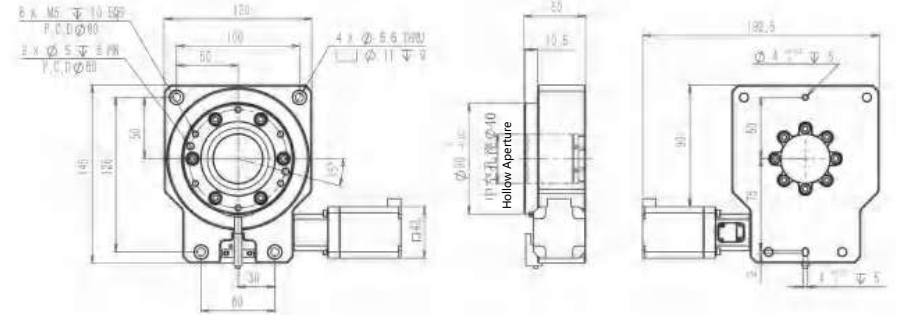
■ 技术参数 Technical Parameters

技术参数 Technical Parameters		型号规格 Model					
		GR60-90K-OS	GR60-90K-SV	GR120-90K-OS	GR120-90K-SV	GR200-90-OS	GR200-90-SV
容许转矩 Allowable Torque	N.m	30	30	45		75	
容许惯性力矩 Allowable Overturning Moment	N.m	5	5	50		100	
容许盘面转速 Allowable Table Speed	rpm	6	< 16	30		30	
减速比 Gear Ratio	i	90					
重复定位精度 Repeatability	arc-sec	≤ 10					
定位精度 Positioning Accuracy	arc-sec	≤ 50					
容许轴向负载 Allowable Axial Load	N	300		1500		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	54					
重量 Weight	kg	0.9		3		12	

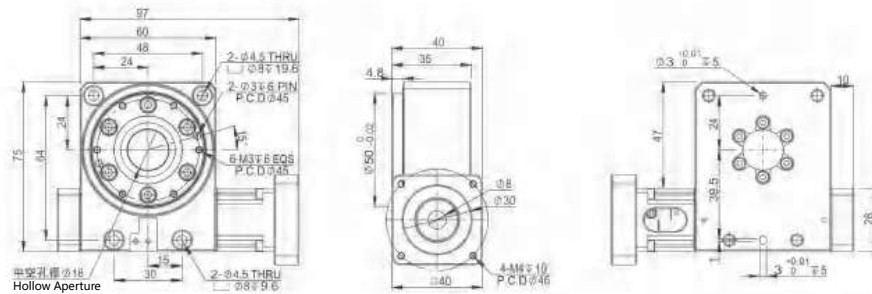
■ GR60-90K-OS



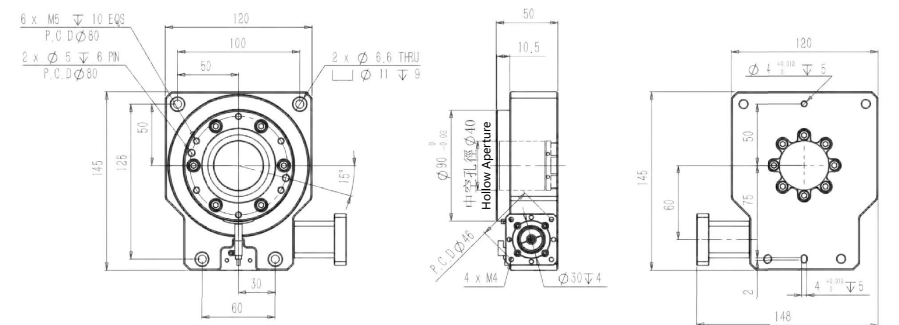
■ GR120-90K-OS



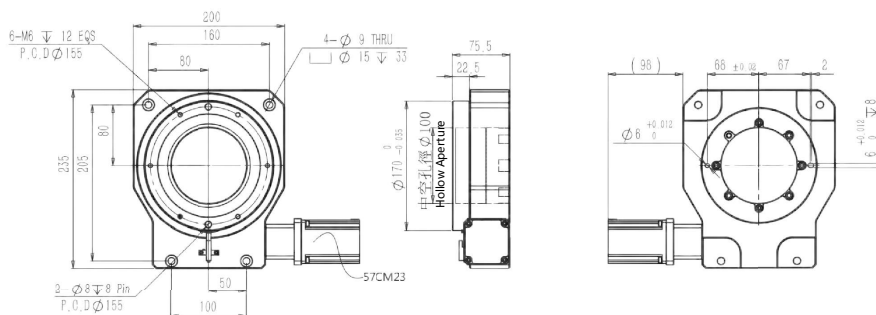
■ GR60-90K-SV



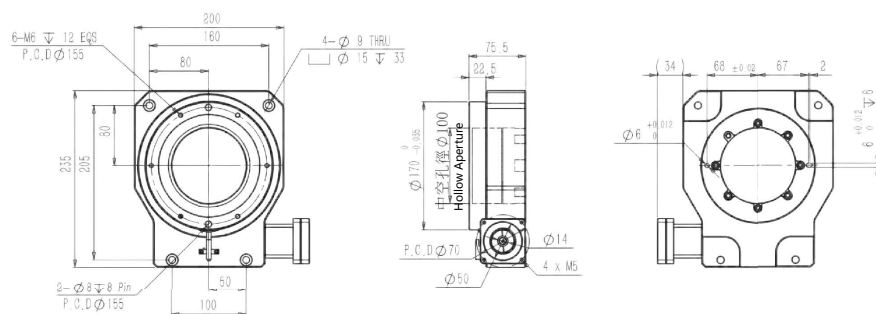
■ GR120-90K-SV



GR200-90K-OS



GR200-90K-SV



GYH 系列中空分度盘 GYH Series Hollow Indexing Tables



Applies the principle of arc surface indexing for precise motion control.

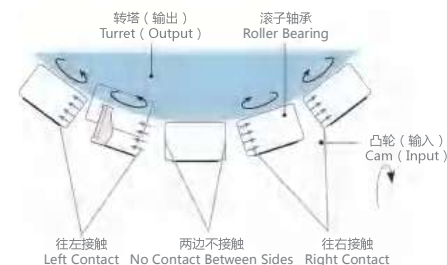
The transmission component consists of an input shaft (arc indexing roller) and a roller (output shaft). The cam groove surface on the input shaft aligns with the driven roller element's outer ring surface, driving the table.

Torque transmission during rotation is achieved through internal roller bearings, resulting in a hollow indexing table with zero backlash.

The design ensures excellent precision and efficiency while preventing internal parts from wearing, ensuring prolonged high-precision performance.

中空分度盘应用弧面分度原理，实现了精确的运动控制。传动件由输入轴（弧面分度凸轮）及滚柱（输出轴）组成，输入轴上的凸轮槽表面与滚柱上的从动滚子元件外环表面呈线接触啮合，从而驱动转轮（工作台）转动。从动滚子元件在旋转过程中利用内部滚柱轴承传递扭矩，保证了中空分度盘零间隙的性能。优异的工作精度和工作效率有效避免了内部零件的损耗，保障中空分度盘可以持久保持高精度工作状态。

工作原理 Principle



左右两边互锁，确保正反转零间隙。
The left and right sides are interlocked to ensure zero backlash between forward and reverse.

