



®

Worm Electric Rotary Tables/GR Series

Worm Drive, Cross Roller Bearing Support
Dual Lead Worm, Anti-backlash



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

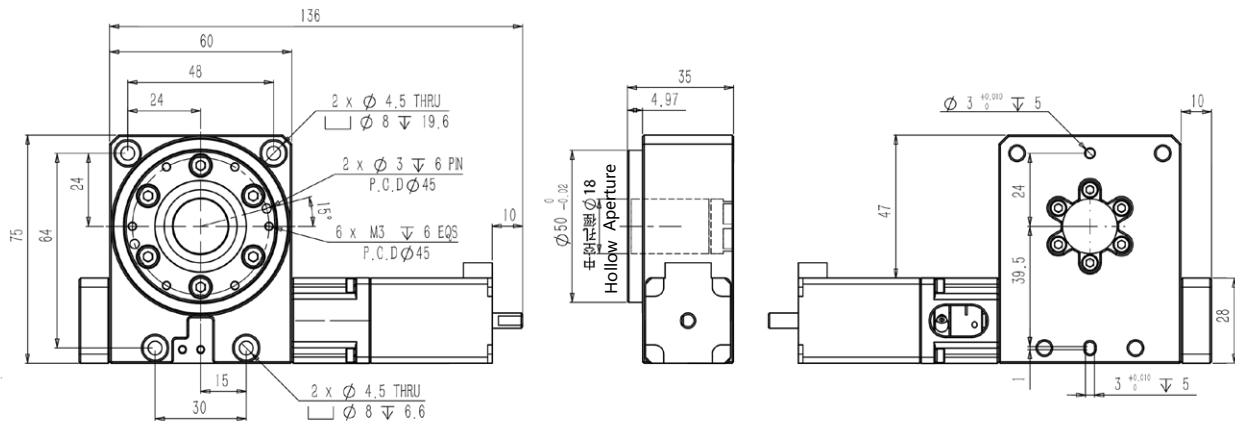
■ GR Model Code

Series	Size	Ratio	Motor
GR	60	90K	OS
XXY	60		OS: Default Open Loop Stepper Motor SV1: Servo Ø8 PCD45,M3 SV2: Servo Ø8 PCD46,M4 (Suit for 100W AC Servo Motor)
GXYR			
GX	120		
GZ			
GTZ	200		OS: Default Open Loop Stepper Motor SV1: Servo Ø14 PCD70,M4 SV2: Servo Ø14 PCD70,M5 SV3: Servo Ø11 PCD70,M4 (Suit for 200~400W AC Servo Motor)
GXY			
GR			
GYH			
GSH			
GSR			
GSHR			
GSA			
GSN			
GSB			
GSG			
Parameter			
GSZ			
GMR			
GMC			
GMA			
GML			

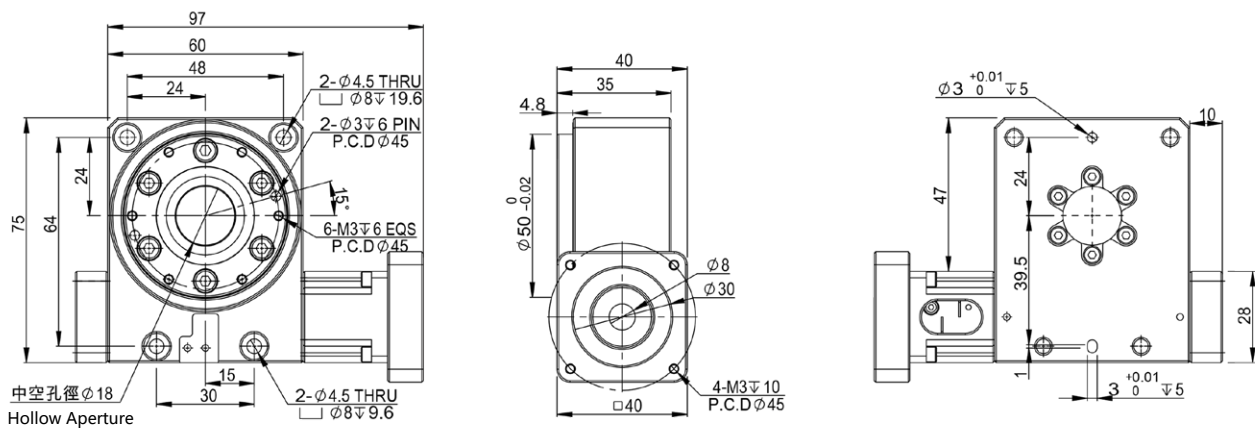
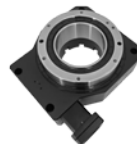
■ Technical Parameters

Parameters		Model					
		GR60-90K-OS	GR60-90K-SV	GR120-90K-OS	GR120-90K-SV	GR200-90-OS	GR200-90-SV
Allowable Torque	N.m	30	30	45		75	
Allowable Moment of Inertia	N.m	5	5	50		100	
Allowable Table Speed	rpm	6	< 16	30		30	
Gear Ratio	i	90					
Repeatability	arc-sec	≤ 10					
Positioning Accuracy	arc-sec	≤ 50					
Allowable Axial Load	N	300		1500		4000	
Table Flatness	mm	≤ 0.01					
Table Concentricity	mm	≤ 0.01					
Ingress Protection	IP	54					
Weight	kg	0.9		3		12	

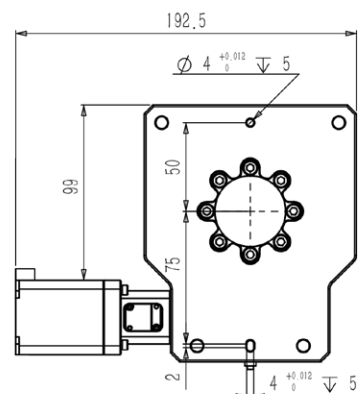
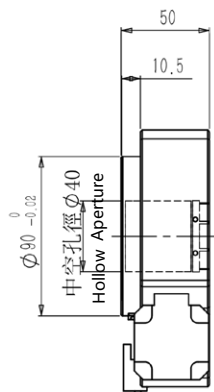
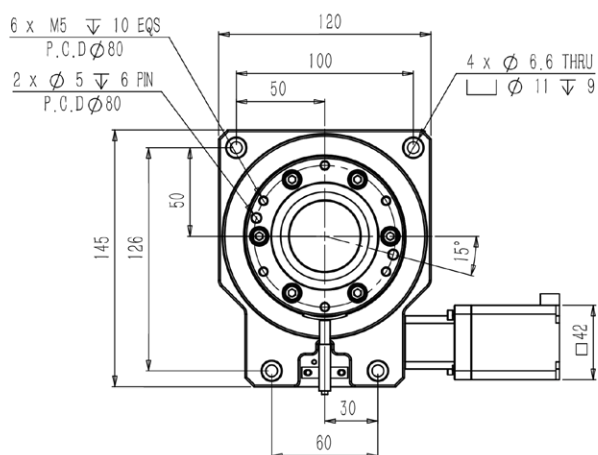
■ GR60-90K-OS



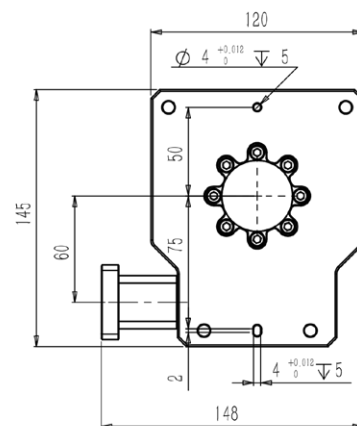
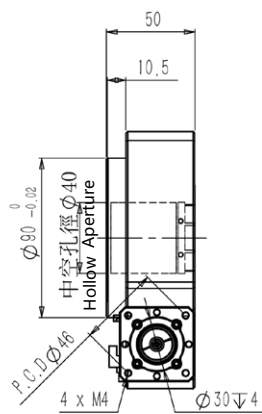
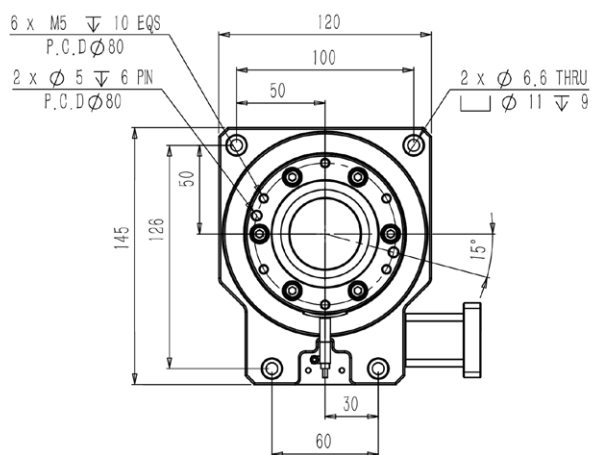
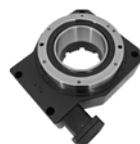
■ GR60-90K-SV



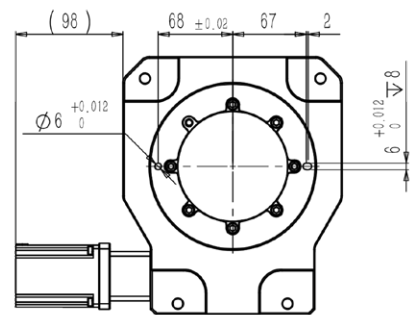
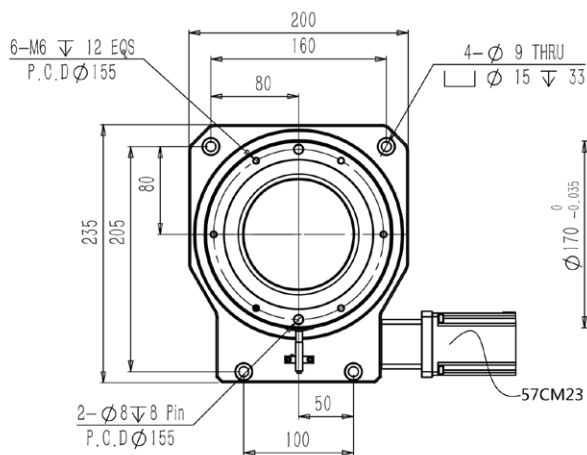
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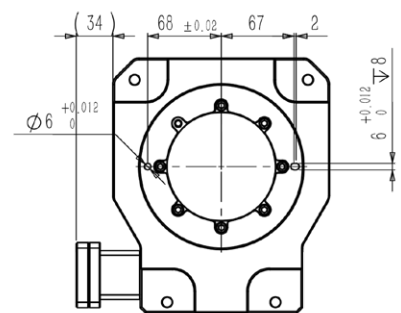
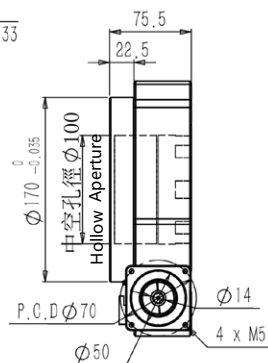
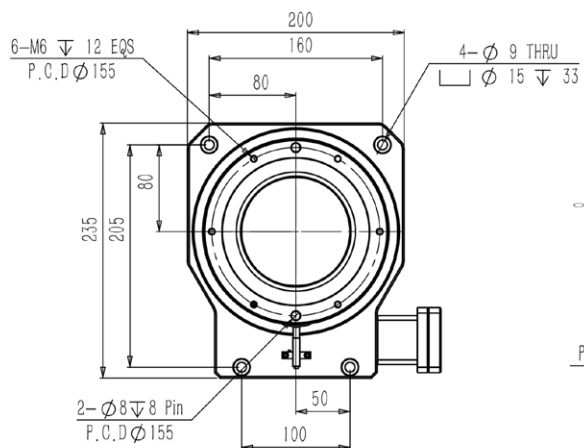
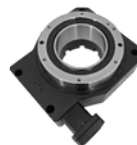
■ GR120-90K-SV



■ GR200-90K-OS



■ GR200-90K-SV



XXY

GXVR

GX

GZ

GTZ

GXY

GR

GYH

GSH

GSR

GSHR

GSA

GSN

GSB

GSG

Parameter

GSZ

GMR

GMC

GMA

GML