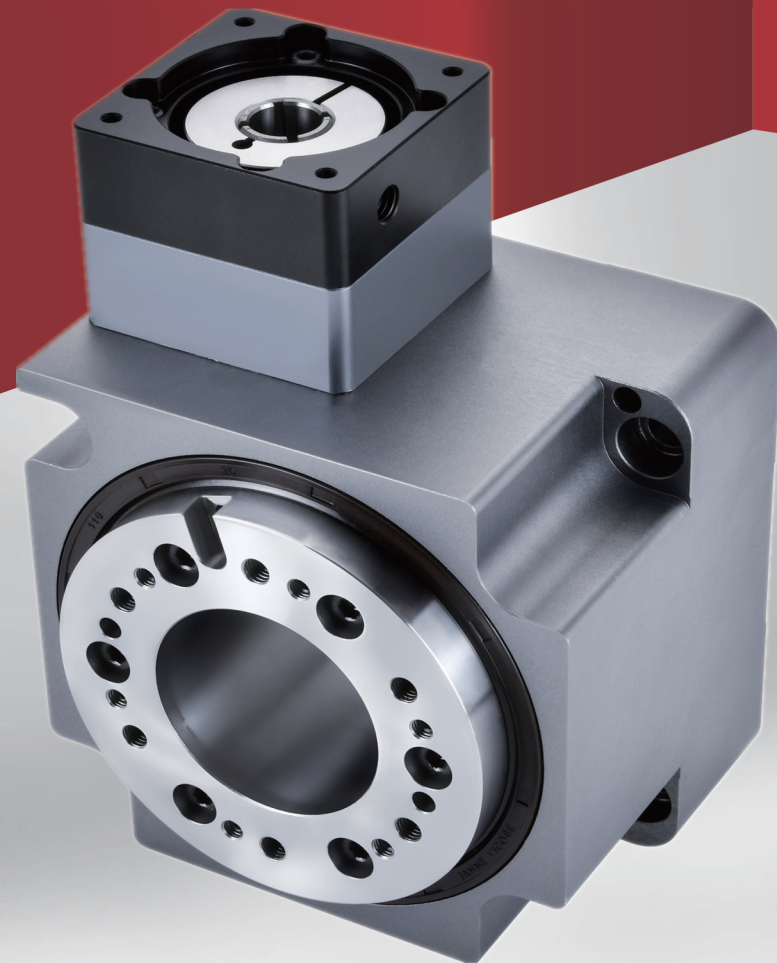
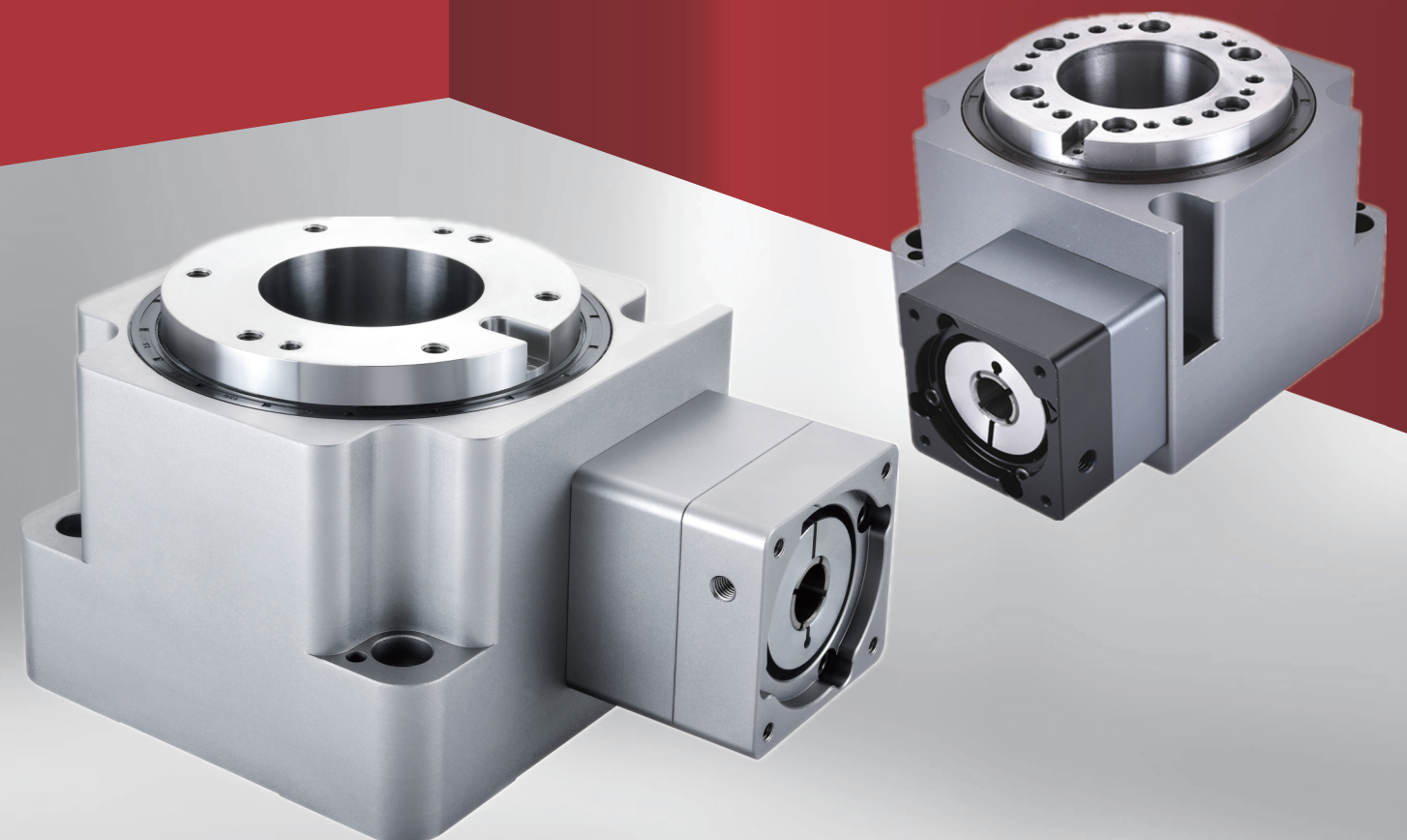


ZRG Series

Hypotooth Hollow Rotating Platform



- Advantages of high precision, high efficiency, high reduction ratio, high torque, and low wear
- Rotation via sliding mechanism, transmission accuracy up to 30 arcseconds.
- Transmission efficiency up to 96%
- Gear geometric tolerance $\leq 0.002\text{mm}$
- JISO grade standard
- Suitable for rotary designs with large disc diameters and large inertia, requiring rapid positioning.



ZRG Hollow Rotary Platform

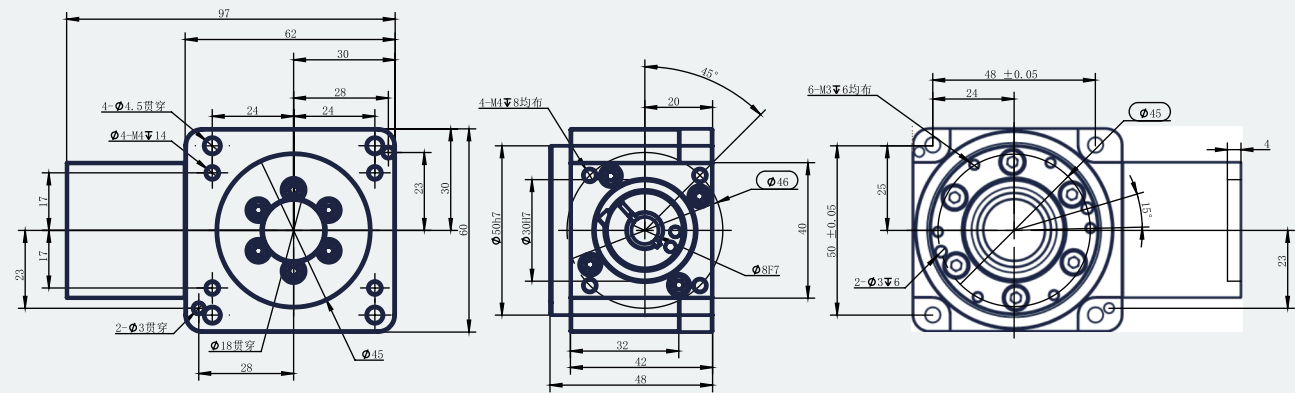
Technical Parameters

Model	Unit	ZRG60	ZRG120	ZRG165
Matching Motor	W	100W AC servo motor 42 stepper motor	400W AC servo motor 57mm/86mm stepper motor	750W/1KW AC servo motor; 86mm/110mm stepper motor
Bearing Type		Cross Roller Bearing	Tapered Roller Bearings	Tapered Roller Bearings
Ratios	i	5	30	30
Rated Torque	N.m	12	120	230
Max Torque	N.m	24	240	460
Rated Speed	r/min	200		200
Max.Overturning Torque	N.m	60	240	460
Max.Radial force	N	135	9000	18000
Max.Axial force	N	135	9000	18000
Torsional Stiffness	Nm/arcmin	21	48	76
Positioning Accuracy	arc-min	±0.5		
Repeat Positioning	arc-sec	≤10		
Platform Runout	mm	≤0.01		
Radial Runout	mm	≤0.01		
Platform Concentricity	mm	≤0.01		
Platform Parallelism	mm	≤0.01		
Life	h	>20000		
Opeating Temperature	℃	-25 ~ +90℃		
Lubricating		Synthetic grease lubrication		
Protection Grade	IP	Ip65		
Installation		Any angle		
Weight	kg	0.6	5.15	13.5

*The above technical parameters are for reference only. Actual technical parameters and dimensions will be provided based on the data provided by the customer.

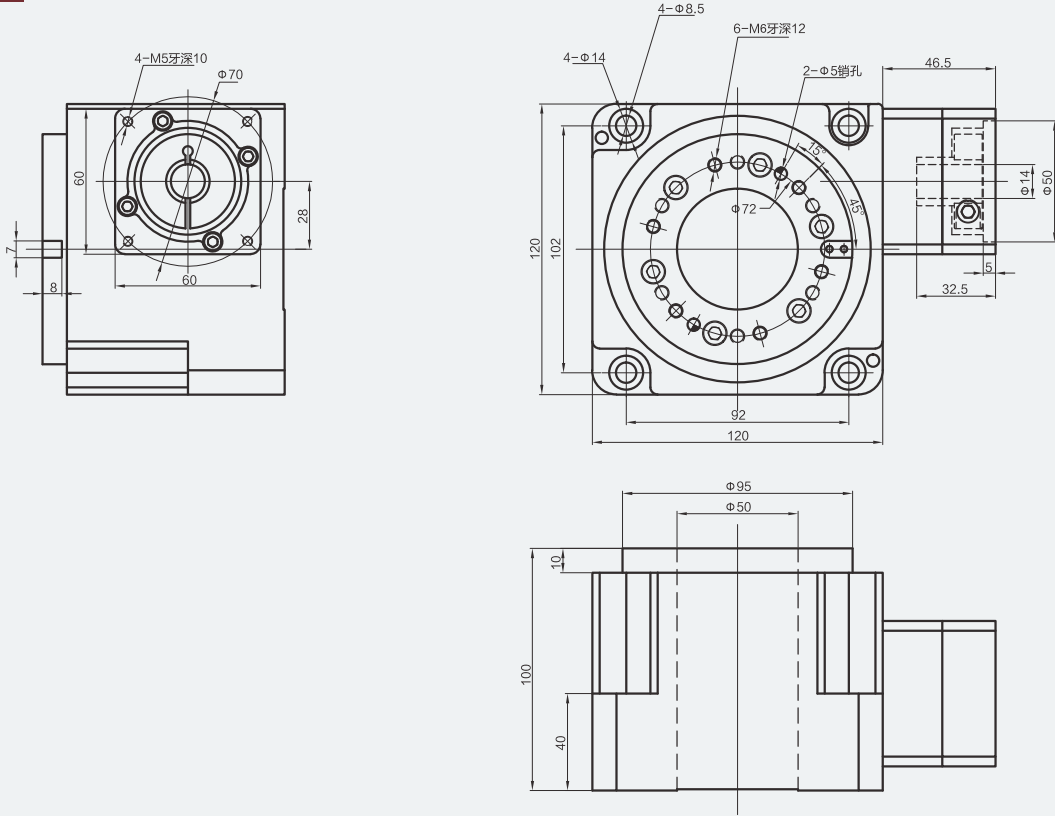
Dimensional Drawings

ZRG60



Dimensional Drawings

ZRG120



ZRG165

