台升科技（广东）有限公司
Taisheng Technology (Guangdong) Co., Ltd.

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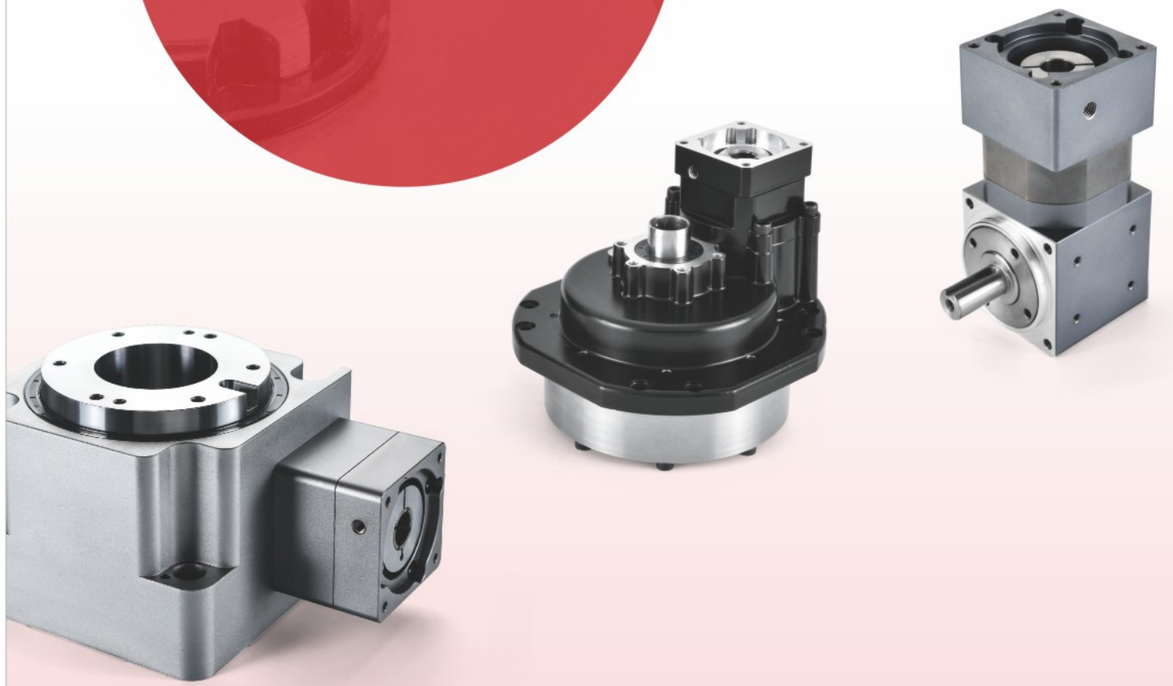
Hollow Rotary Platform Manufacturers

中空旋转平台厂家



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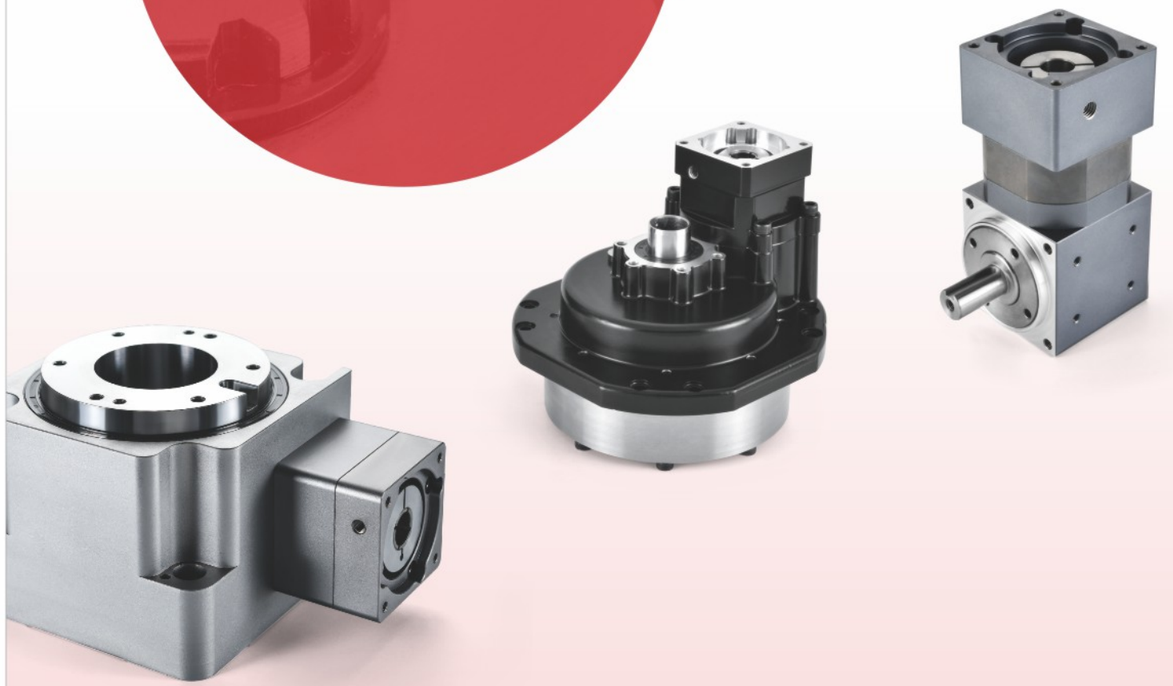

Hollow Rotary Platform
Manufacturers

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Company PROFILE

公司简介

本公司坐落在有“世界工厂”之美称的广东省东莞市，是专业从事研发、生产和销售高精密行星减速机、高精度平台减速机以及专用减速机的厂家。我们的团队擅长多种内、外齿轮加工及解决方案，我们总结出一整套“内部品质管理体系”来确保各零件组合后的相对精度，为整机出厂提供高合格率、高效率保障。我们采用先进的计算机软件进行设计和论证，结合多年机械传动和运动控制经验，提供全球性质的运动和控制解决方案。品质是企业生存之本，我们为市场提供稳定优质的产品，提供更优化的自动化解决方案。始终把“用户需求”作为企业经营宗旨，将“科技创新”做为公司发展的根本，将ISO质量管理体系运行落实到公司的各个环节。我们的产品具有精度高、承载力矩大、寿命长、噪音低、运转平稳、通用性强和免维护等特点。我们的产品被广泛应用在航空航天、数控机床、切割焊接设备、纺织印染机械、包装机械、食品机械、舰船、雷达、数据通讯系统、机器人、机械手臂，复合材料设备、精密测试仪器、试验机、塑料机械、玻璃机械、煤矿机械、起重机械、冶金机械、工程机械等各种领域。我们追求成功的过程，就是与您关系不断升华的过程。公司的成功离不开众多客户朋友长期的支持与帮助，面向未来，我们将为您服务更多。本公司将与您携手并进，共创辉煌!

The company is located in Dongguan City, Guangdong Province, which is known as the “World Factory”. It is a professional manufacturer engaged in R&D, production and sales of high-precision planetary reducers, high-precision platform reducers and special reducers. Our team is good at a variety of internal and external gear processing and solutions. We have developed a set of “internal quality management system” to ensure the relative accuracy of each part combination, providing high qualification and high efficiency guarantee for the whole machine. We use advanced computer software for design and demonstration, combined with years of experience in mechanical transmission and motion control, to provide global motion and control solutions. Quality is the foundation of the company's survival. We provide stable and high-quality products for the market and provide more optimized automation solutions. Always regard "user needs" as the business purpose of the company, and "scientific and technological innovation" as the foundation of the company's development, and implement the ISO quality management system to all aspects of the company. Our products are characterized by high precision, large load bearing torque, long life, low noise, smooth operation, versatility and maintenance-free. Our products are widely used in aerospace, CNC machine tools, cutting and welding equipment, textile printing and dyeing machinery, packaging machinery, food machinery, ships, radar, data communication systems, robots, robotic arms, composite materials equipment, precision testing equipment, testing Machines, plastic machinery, glass machinery, coal mining machinery, lifting machinery, metallurgical machinery, engineering machinery and other fields. Our process of pursuing success is the process of continuous sublimation with you. The company's success is inseparable from the long-term support and help of many customers and friends. We will serve you more for the future. company is will go hand in hand with you to create brilliant!

CK60
CK85
CK130
CK200

CK SERIES

技术参数

型号	单位Unit	CK60	CK85	CK130	CK200	减速比Ratios(i)
额定输出扭规TN Nominal torquet TN	Nm	6.0	35.0	—	—	5
		3.5	18.0	50.0	90.0	10
		—	7.5	—	—	15
		—	—	25.0	50.0	18
故障停止扭规 T2N Max.output torque T2N	Nm	3倍额定输出扭矩/3* Nominal torqute				
空载扭矩 NO-load torque	Nm	0.1	0.18	0.6	1.2	

型号	单位Unit	CK60	CK85	CK130	CK200
承载轴承类型 Bearing type		交叉滚子轴承 RPA6028	交叉滚子轴承 RPA8533	交叉滚子轴承 RPA13062	交叉滚子轴承 RPA200100
最大容许径向力 Max.radial force	N	1800	4500	8000	12000
最大容许轴向力 Max.axial force	N	1800	4500	8000	12000
最大倾覆力矩 Max.Overturning moment	Nm	80	260	700	1500
抗扭刚性 Torsional stiffness	Nm/arcmin	2.4	5.8	16.0	28.5
平台端面跳动 The end beat	mm	≤0.01	≤0.01	≤0.01	≤0.01
平台径向跳动 Radial beating	mm	≤0.01	≤0.01	≤0.01	≤0.01
回转精度 Rotary precision	arcmin	≤1（±0.5）	≤1（±0.5）	≤1（±0.5）	≤1（±0.5）
额定输出转速 Rated output speed	rpm	200	200	200	150
最大输出转速 Max. output speed	rpm	500	450	350	300
机身重量 weight	Kg	0.55	1.4（1.1）	2.5	8.8
设计承重 Load-Bearing	Kg	12	26	55	130
噪声 Noise	dB	≤55	≤55	≤58	≤62
使用寿命 lifetime	h	20000			
最低工作温度 Min.operating temp	℃	-25			
最高工作温度 Max.operating temp	℃	+ 90			
防护等级 Degree of protection	IP	IP50			
润滑方式 Mounting position		长效润滑/Life lubrication			
安装方式 Mounting position		任意/Any			
旋转方向 Direction of rotation		输出、输入反向/Opposite direction			
满载效率 Maxiumum efficency	%	90%			

说明 回程间隙是在受力50%的额定输出力矩TN 下测得；
噪声值是在额定输出转速下无负载情况下，离被测机体1米距离测得。

CK60

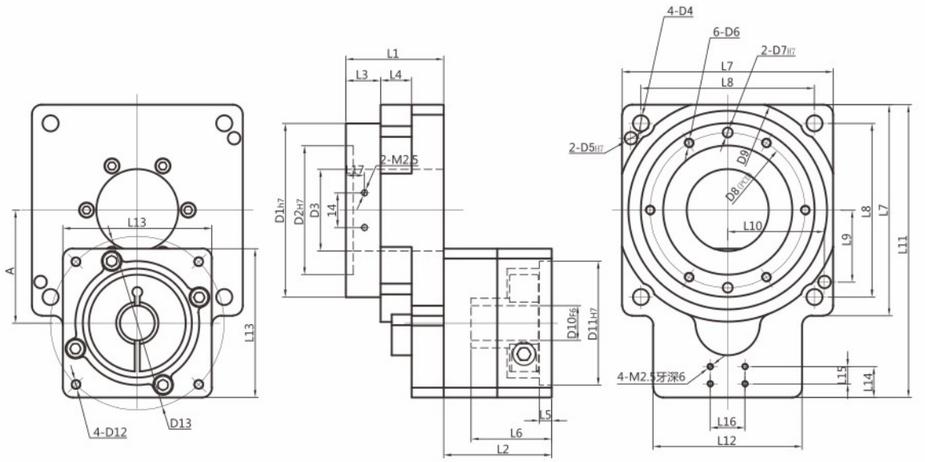
CK85

CK130

CK200

CK SERIES

技术参数



型号		CK60		CK85			CK130		CK200	
轴承类型		交叉滚子轴承 RPA6028		交叉滚子轴承 RPA8533			交叉滚子轴承 RPA13062		交叉滚子轴承 RPA200100	
减速比		5:1	10:1	5:1	10:1	15:1	10:1	18:1	10:1	18:1
中心距	A	33.6	31.0	45.5	41.8	40.0	64.4	63.0	102.5	98.5
安装凸台直径	D1	Φ50		Φ70		Φ70	Φ114		Φ170	
安装内子口直径	D2	Φ40↓2.5		Φ52↓3		Φ52↓3	Φ92↓3		Φ140↓3	
平台中空（孔）直径	D3	Φ28		Φ33		Φ33	Φ62		Φ100	
平台固定安装孔径	D4	Φ4.5		Φ6.5		Φ6.5	Φ9		Φ11	
平台固定安装销直径	D5	/		Φ5		Φ52↓3	Φ5		Φ6	
平台旋转安装孔径	D6	M3↓6		M4↓8		M4↓8	M5↓10		M6↓12	
平台旋转安装销直径	D7	Φ3		Φ4		Φ4	Φ5		Φ8	
平台旋转安装孔分度圆	D8	Φ45		Φ62.5		Φ62.5	Φ104		Φ155	
平台台阶圆直径	D9	Φ65		Φ90		Φ90	Φ141		Φ220	
配电机轴孔径	D10	Φ8		Φ14		Φ14	Φ14		Φ19	
配电机凸台子口	D11	Φ30		Φ50		Φ50	Φ50		Φ70	
配电机安装螺孔	D12	M3/M4		M4/M5		M4/M5	M4/M5		M5/M6	
配电机安装孔分度圆	D13	Φ45/Φ46		Φ70		Φ70	Φ70		Φ90	
平台箱体厚度	L1	31		39.5		39.5	41.5		64.5	
平台法兰厚度	L2	33		43.5		33	43.5		57	
平台安装凸台长度	L3	10		14		14	15		21.5	
平台台阶圆长度	L4	10		12.5		12.5	11		25.5	
配电机凸台子口长度	L5	4		5		4	5		6	
配电机轴内孔长度	L6	27.5		32.5		26.5	32.5		43	
平台箱体边长	L7	60		85		85	130		200	
平台固定安装孔距	L8	50		70		70	110		170	
平台固定安装销距	L9	/		29		29	45		72.5	
平台固定安装销距	L10	/		39		39	60		90	
平台大边长度	L11	84.6	82.0	118.0	114.3	103.5	159.4	158.0	242.5	238.5
平台小边长度	L12	42	42	60	60	42	60	60	80	80
配电机法兰边长	L13	42	42	60	60	42	60	60	80	80
传感片孔位安装距	L14	10	11	12.5	12.5	10	13	13	16	12
传感器安装孔距	L15	※6.9	※6.9	7	7	7	7	7	7	7
传感器安装孔距	L16	※30/32.4	※28.6/31.1	14	14	14	14	14	14	14
传感片孔位安装距	L17	5	5	7.5	7.5	7.5	7.5	7.5	8.5	8.5

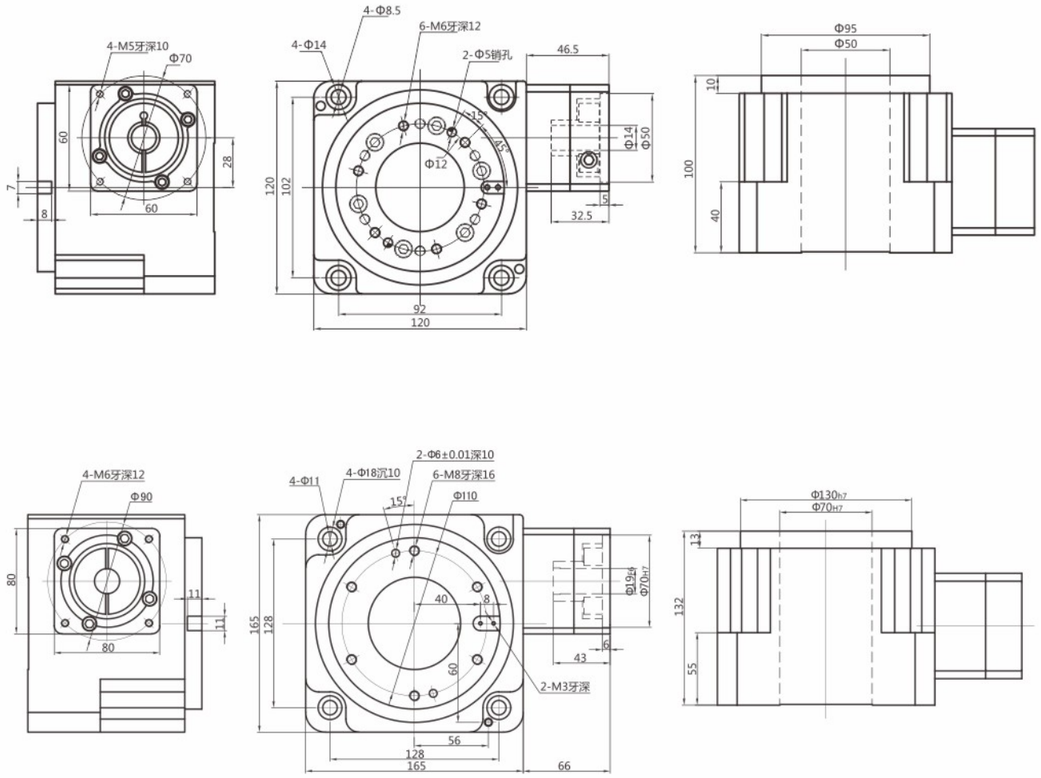
CKR120

CKR165

CKR240

CKR SERIES

减速机尺寸



型号	减速比	额定输出扭距	最大容许径向力	最大容许轴向力	平台端面跳动	平台径向跳动	回转精度	设计承重
CKR120	30:1	115Nm	9000N	9000N	≤0.01mm	≤0.01mm	≤1Arcmin	250Kg
CKR165	30:1	220Nm	18000N	18000N	≤0.01mm	≤0.01mm	≤1Arcmin	600Kg
CKR240	30:1	450Nm	29000N	29000N	≤0.01mm	≤0.01mm	≤1Arcmin	1100Kg

型号	噪声	额定输出转速	最大输出转速	防护等级	适配电机	使用寿命	抗扭刚性	机身重量
CKR120	58dB	100RPM	200RPM	Ip65	400W	20000h	48.0Nm/arcmin	
CKR165	60dB	100RPM	200RPM	IP65	750W	20000h	76.0Nm/arcmin	
CKR240	63dB	100RPM	150RPM	Ip65	1500W	20000h	135.0Nm/arcmin	

说明 回程间隙是在受力10%的额定输出力矩TN 下测得；
噪声值是在额定输出转速下无负载情况下，离被测机体1米距离测得。