

HRTK Series

Steel Housing Hollow Rotary Table
钢壳型中空旋转平台



订货型号表示 Ordering Representation



HRTK

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130

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10

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SV1

系列
Series

型号规格
Model

速比
Ratio

电机类型
Motor Type

HRT
HRTZ
HRM
HRTK
HRH

130

200

280

450

10

18

L1: 30

40

50

70

100

SV1: ServoΦ14 PCD70, M4
SV2: ServoΦ14 PCD70, M5
Suit for 200~750W AC Servo Motor

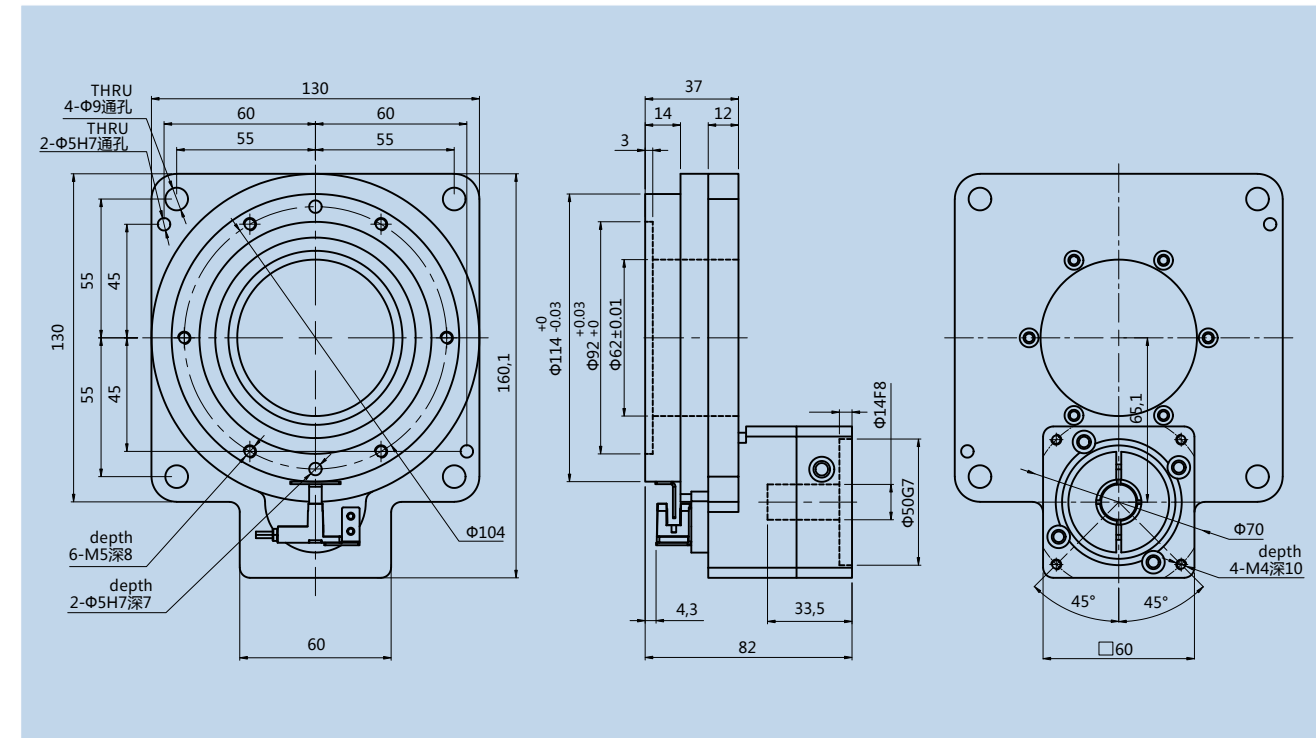
ST1: StepperΦ8 PCD66.67, M4
Suit for 57-86 Stepper Motor

技术参数 Technical Parameter

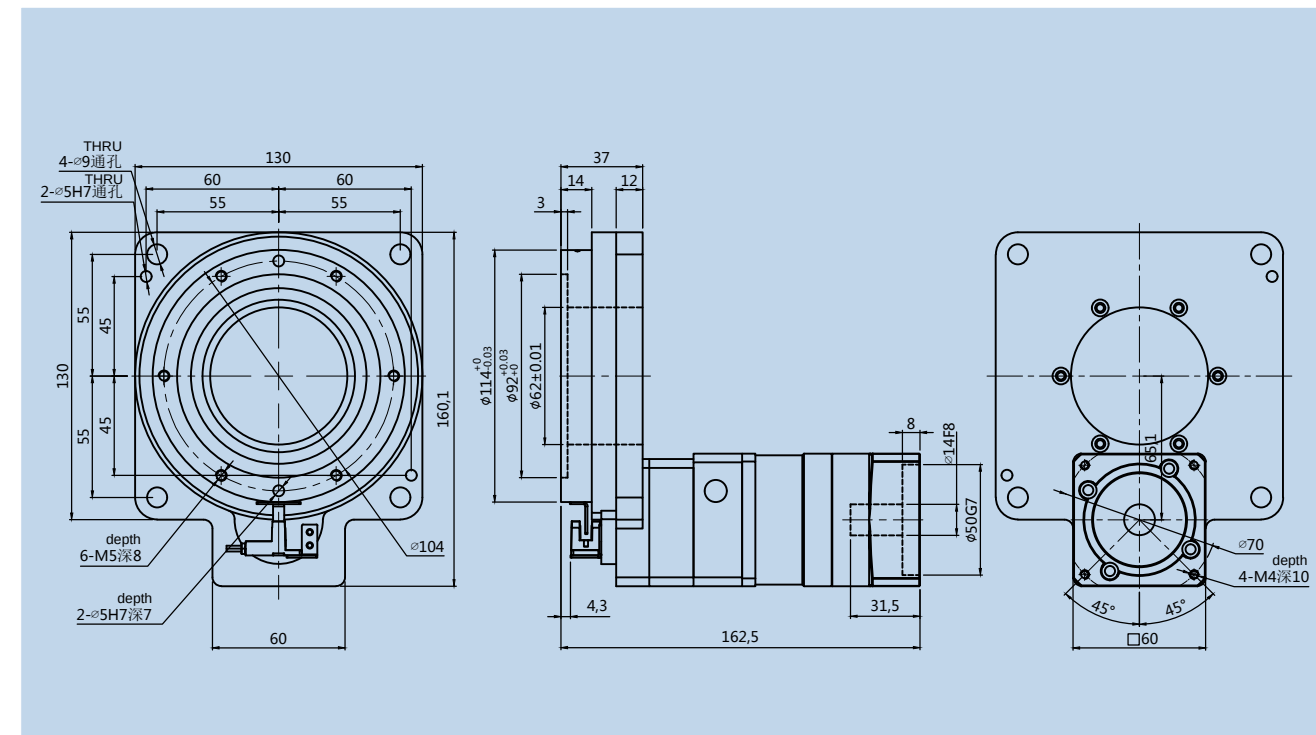
型号 Model			HRTK130		HRTK130-L1				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing						
减速比	Reduction ratio	I	10	18	30	40	50	70	100
额定输出扭矩	Rated output torque	N.m	56	35	56				
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque						
定位精度	Positioning accuracy	arc-min	≤1			≤3			
反复定位精度	Repeated positioning accuracy	arc-sec	≤15			≤30			
容许盘面转速	Allowable disk speed	rpm	200 (间歇运转) Intermittent operation						
适配伺服马达	Adapt to servo motor	W	200-750						
适配步进马达	Suitable for stepping motor		57-86 步进 Stepper						
容许轴向负载	Allowable axial load	N	2800						
容许惯性力矩	Allowable moment of inertia	N.m	50						
扭转刚性	Torsional rigidity	N.m/arcmin	19						
倾覆力矩	Overturning moment	N.m	530						
精度寿命	Accuracy life	h	30000h (间歇运转) Intermittent operation						
防护等级	Protection level	IP	50						
润滑方式	Lubrication method		长效润滑 Long-term lubrication						
安装方式	Installation method		任意 Arbitrary						
旋转平台同心度	Concentricity of rotating platform	mm	≤0.01						
旋转平台平行度	Parallelism of rotating platform	mm	≤0.015						
传动效率	Transmission efficiency	%	95			90			
噪音	Noise	db	≤60			≤60			
重量	Weight	kg	3.1			4.5			
设计承重	Design load	kg	50						

注 旋转平台平行度有更高要求请联系我司销售人员
If the parallelism of the rotating platform has higher requirements, please contact our sales staff

HRTK130(18) 配400W伺服接口 for 400W Servo Interface



HRTK130JS-L1 配400W伺服接口 for 400W Servo Interface



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Diagram illustrating the relationship between four parameters: HRTK, 200, 30, and SV1.

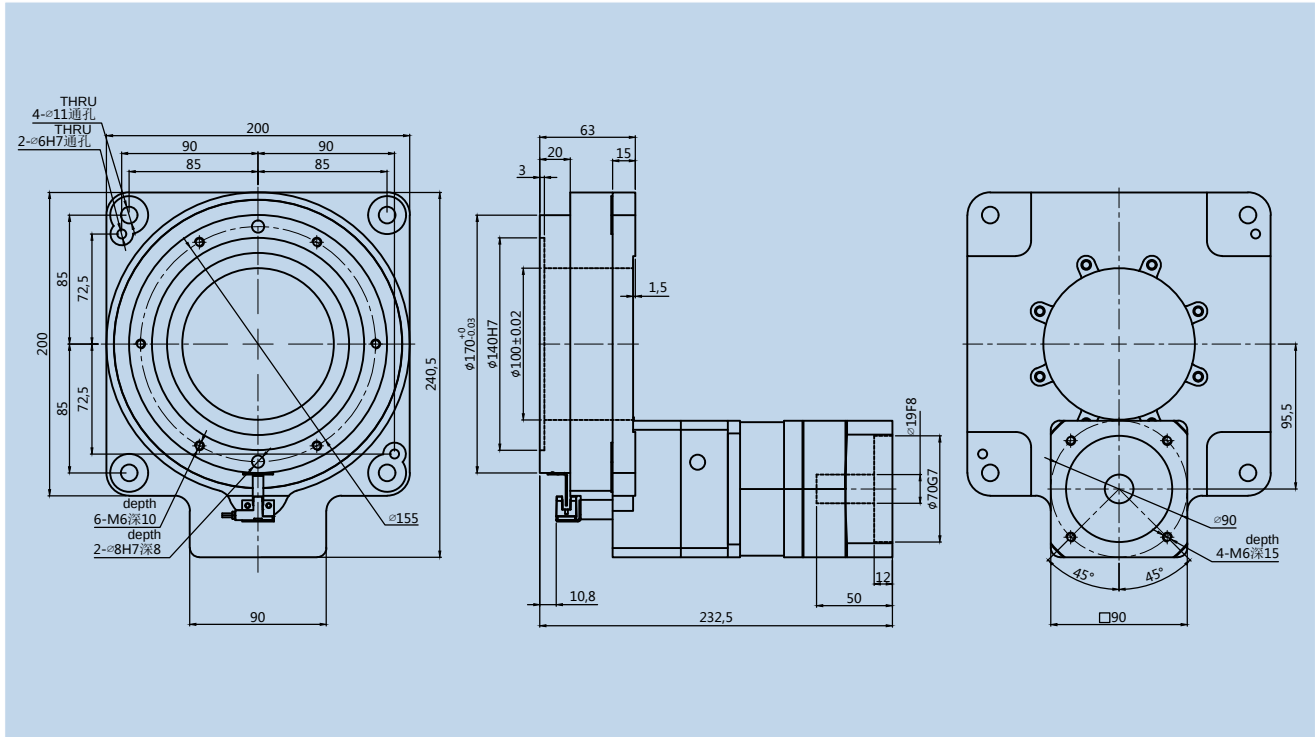
- HRTK** (Series)
 - HRT
 - HRTZ
 - HRM
 - HRTK**
 - HRH
- 200** (Model)
 - 130
 - 200**
 - 280
 - 450
- 30** (Ratio)
 - L1: 30
 - 40
 - 50
 - 70
 - 100
- SV1** (Motor Type)
 - SV1: Servo $\phi 19$ PCD90, M6
 - SV2: Servo $\phi 22$ PCD145, M8
 - Suit for 750~1500W AC Servo Motor

型号 Model			HRTK200-L1				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing				
减速比	Reduction ratio	I	30	40	50	70	100
额定输出扭矩	Rated output torque	N.m	147				
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque				
定位精度	Positioning accuracy	arc-min	≤3				
反复定位精度	Repeated positioning accuracy	arc-sec	≤30				
容许盘面转速	Allowable disk speed	rpm	200 (间歇运转) Intermittent operation				
适配伺服马达	Adapt to servo motor	W	750-1500				
适配步进马达	Suitable for stepping motor		86-110 步进 Stepper				
容许轴向负载	Allowable axial load	N	5500				
容许惯性力矩	Allowable moment of inertia	N.m	100				
扭转刚性	Torsional rigidity	N.m/arcmin	32				
倾覆力矩	Overturning moment	N.m	1820				
精度寿命	Accuracy life	h	30000 (间歇运转) Intermittent operation				
防护等级	Protection level	IP	50				
润滑方式	Lubrication method		长效润滑 Long-term lubrication				
安装方式	Installation method		任意 Arbitrary				
旋转平台同心度	Concentricity of rotating platform	mm	≤0.01				
旋转平台平行度	Parallelism of rotating platform	mm	≤0.02				
传动效率	Transmission efficiency	%	90				
噪音	Noise	db	≤ 63				
重量	Weight	kg	14.6				
设计承重	Design load	kg	85				

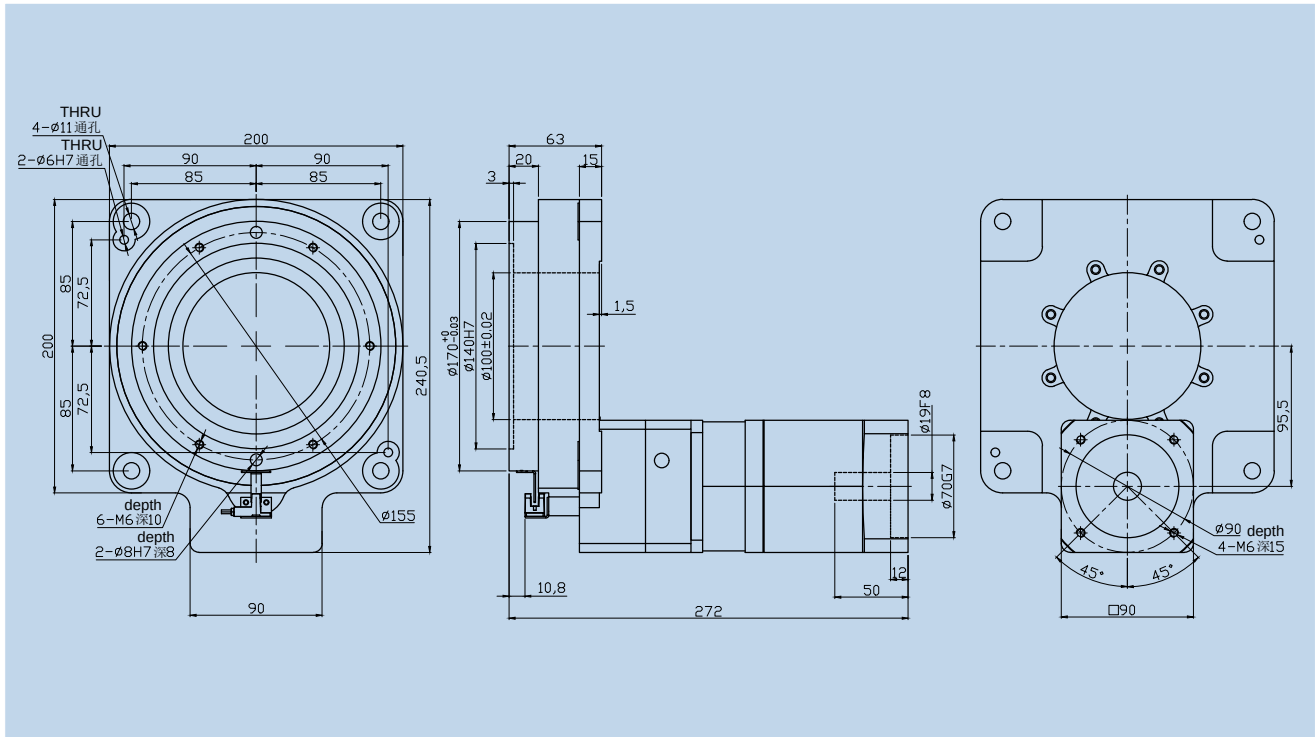
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外形尺寸图表
Outline dimensional

HRTK200-L1-D 配750W伺服接口 for 750W Servo Interface



HRTK200-L2-D 配750W伺服接口 for 750W Servo Interface



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订货型号表示
Ordering Representation

HRTK

系列
Series

HRT
HRTZ
HRM
HRTK
HRH

-

280

型号规格
Model

130
200
280
450

-

10

速比
Ratio

10
18
L1: 30
40
50
70
100

-

SV1

电机类型
Motor Type

SV1: Servo Ø22 PCD145, M8
SV2: Servo Ø24 PCD145, M8
Suit for 1K-3KW AC Servo Motor

ST1: Stepper Ø19 PCD125.8, M8
ST2: Stepper Ø19 PCD132, M8
Suit for 110 Stepper Motor



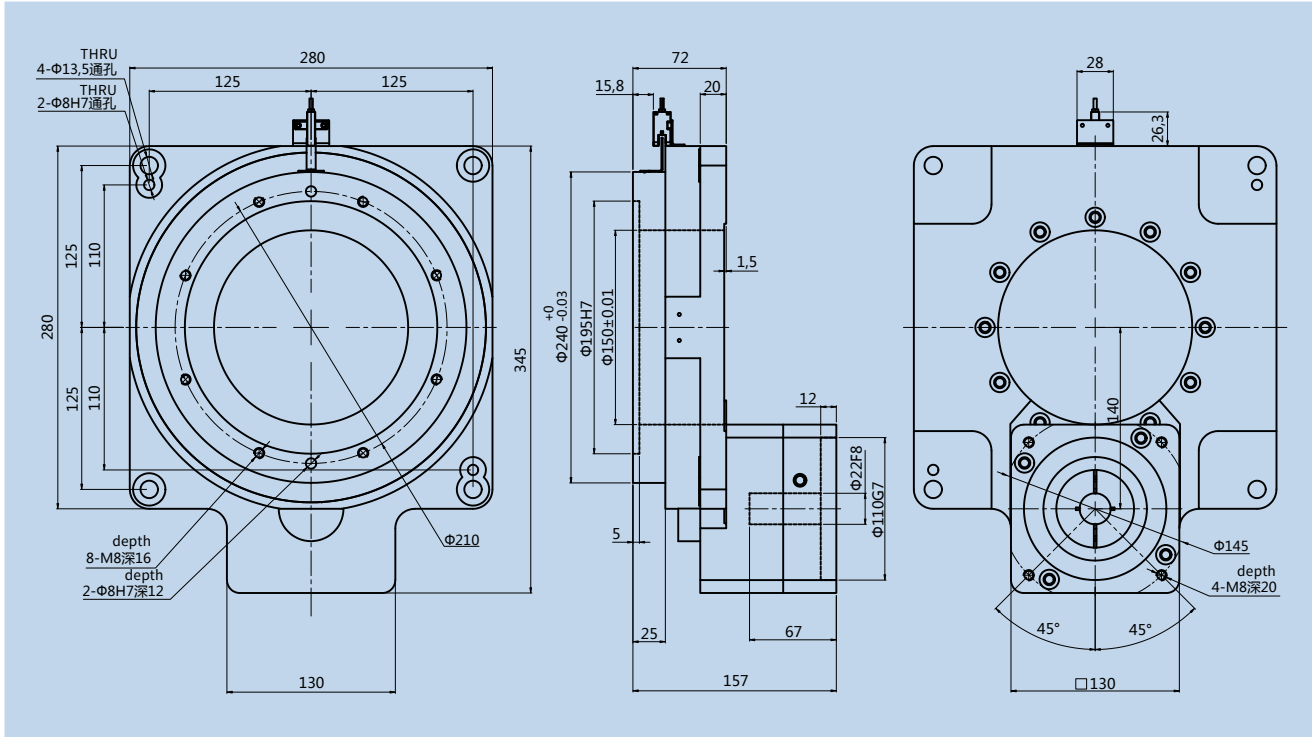
技术参数
Technical Parameter

型号 Model			HRTK280		HRTK280-L1				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing						
减速比	Reduction ratio	I	10	18	30	40	50	70	100
额定输出扭矩	Rated output torque	N.m	310	205	310				
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque						
定位精度	Positioning accuracy	arc-min	≤1		≤3				
反复定位精度	Repeated positioning accuracy	arc-sec	≤15		≤30				
容许盘面转速	Allowable disk speed	rpm	200 (间歇运转) Intermittent operation						
适配伺服马达	Adapt to servo motor	W	1000-3000						
适配步进马达	Suitable for stepping motor		110 步进 Stepper						
容许轴向负载	Allowable axial load	N	12000						
容许惯性力矩	Allowable moment of inertia	N.m	200						
扭转刚性	Torsional rigidity	N.m/arcmin	58						
倾覆力矩	Overturning moment	N.m	3780						
精度寿命	Accuracy life	h	30000 (间歇运转) Intermittent operation						
防护等级	Protection level	IP	50						
润滑方式	Lubrication method		长效润滑 Long-term lubrication						
安装方式	Installation method		任意 Arbitrary						
旋转平台同心度	Concentricity of rotating platform	mm	≤0.015						
旋转平台平行度	Parallelism of rotating platform	mm	≤0.03						
传动效率	Transmission efficiency	%	95	90					
噪音	Noise	db	≤ 67						
重量	Weight	kg	25	32.5					
设计承重	Design load	kg	180						

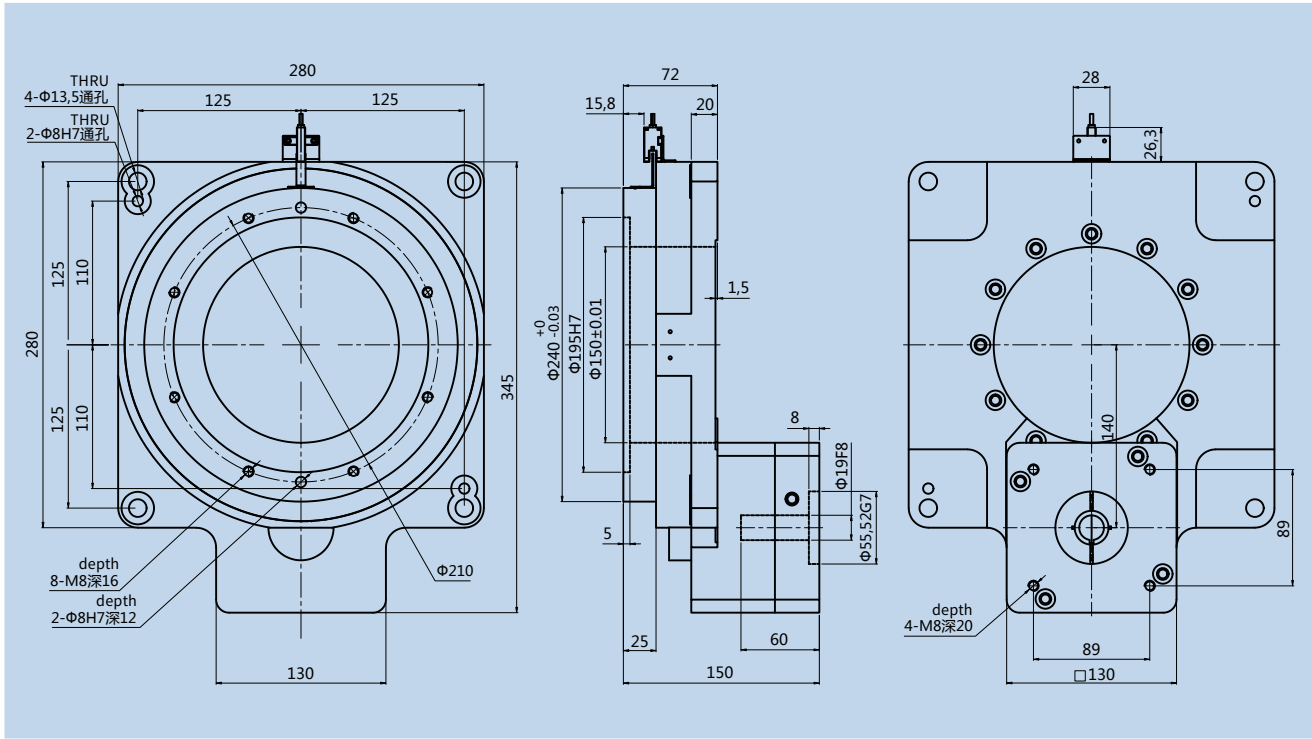
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外形尺寸图表
Outline dimensional

HRTK280-10(18) 配1KW伺服接口 for 1KW Servo Interface



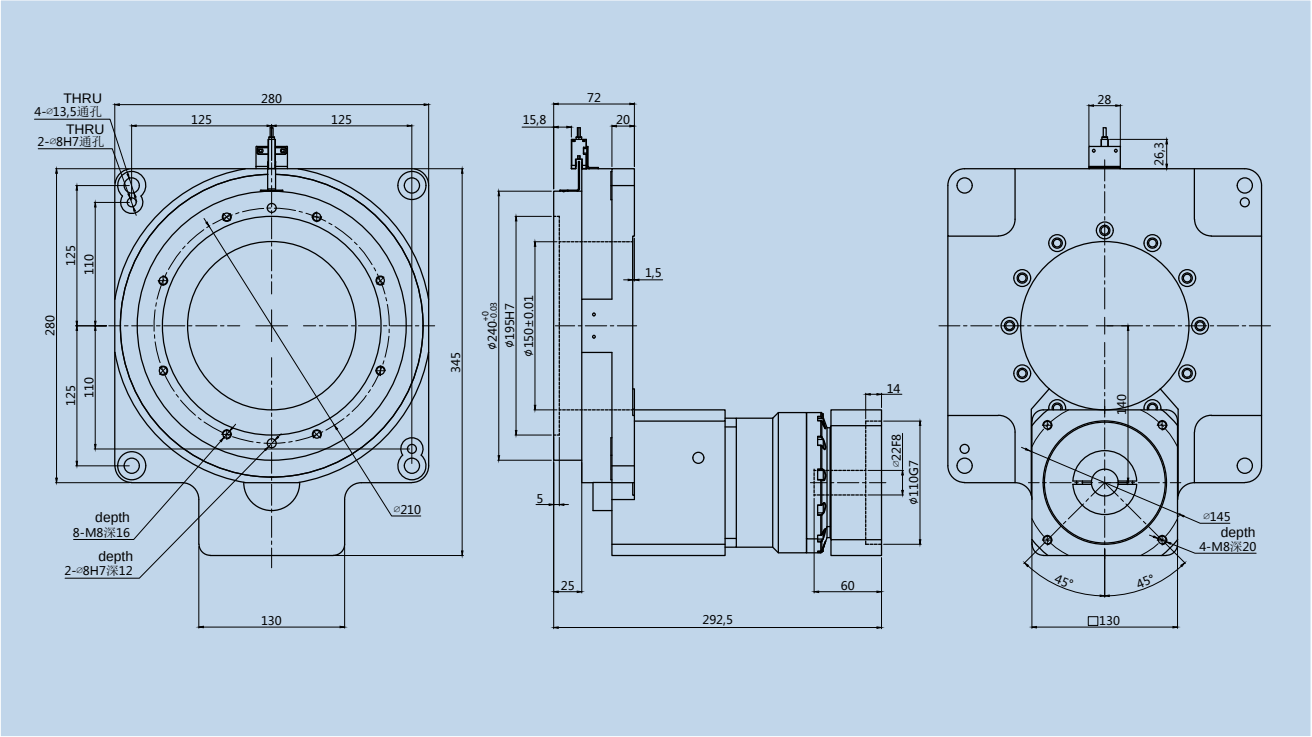
HRTK280-10(18) 配110步进接口 for 110 Stepper Interface



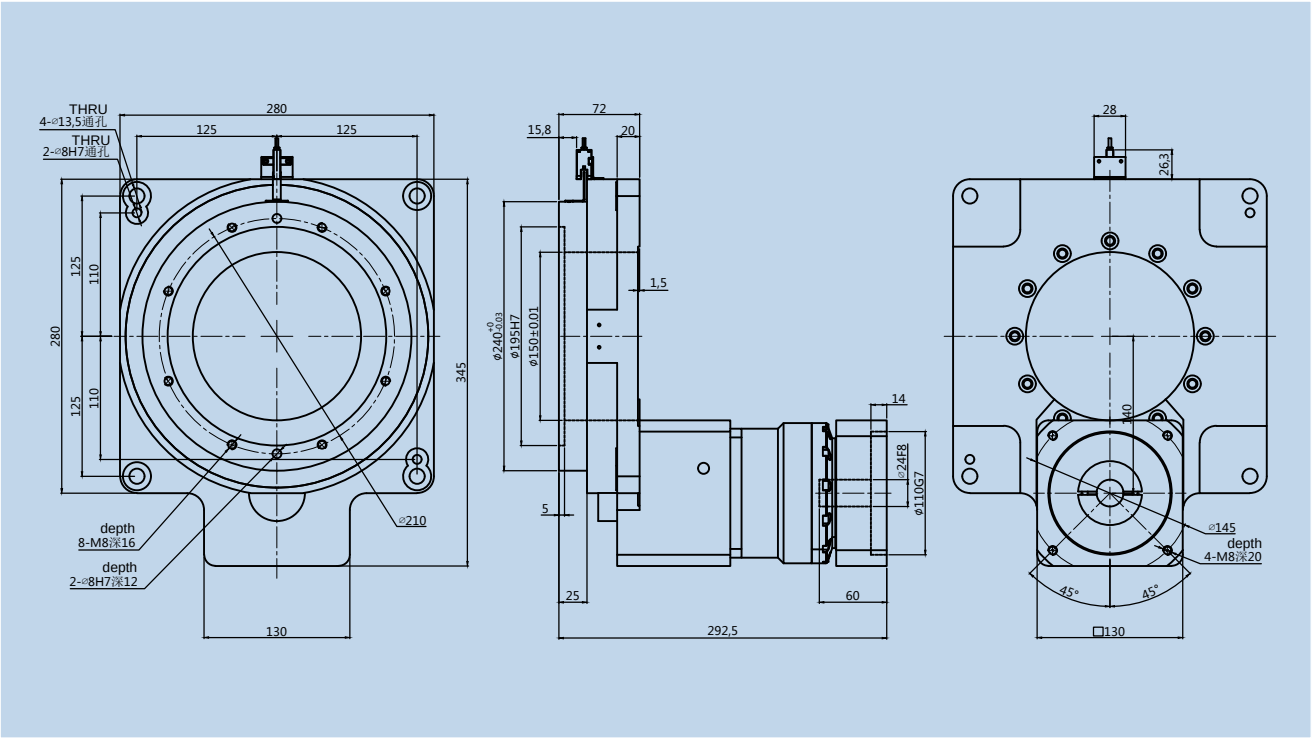
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外形尺寸图表
Outline dimensional

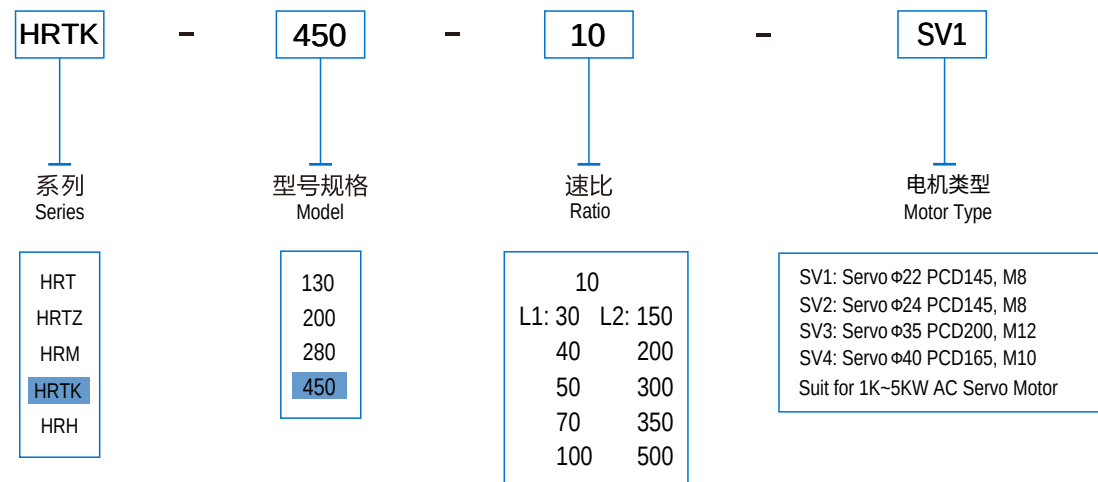
HRTK280JS-10 配1KW伺服接口 for 1KW Servo Interface



HRTK280JS-10 配1KW伺服接口 for 1KW Servo Interface



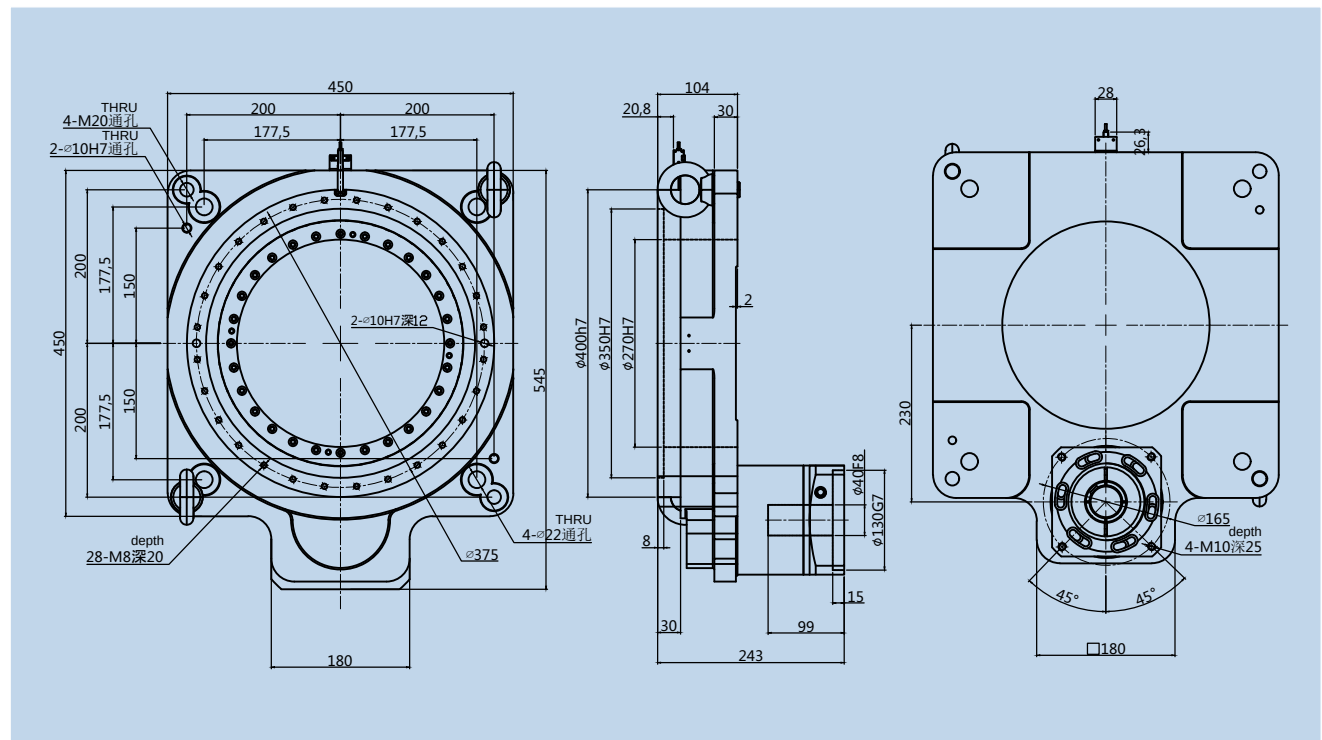
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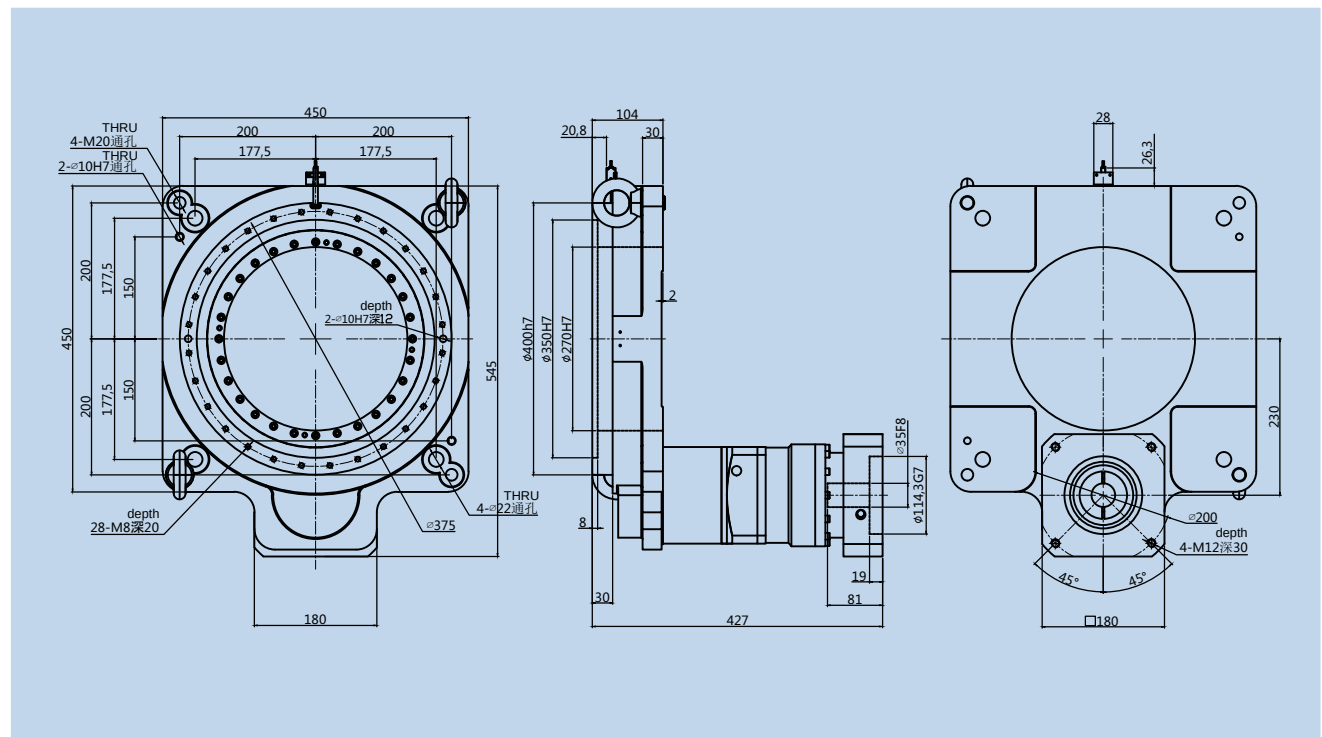
型号 Model			HRTK450	HRTK450-L1					HRTK450-L2				
轴承结构	Bearing structure		交叉滚子轴承 Cross roller bearing										
减速比	Reduction ratio	I	10	30	40	50	70	100	150	200	300	350	500
额定输出扭矩	Rated output torque	N.m	1550	1550					2000				
最大输出扭矩	Output torque	N.m	3倍额定扭矩 3 Times rated torque										
定位精度	Positioning accuracy	arc-min	≤1	≤3					≤3				
反复定位精度	Repeated positioning accuracy	arc-sec	≤15	≤30					≤30				
容许盘面转速	Allowable disk speed	rpm	200 (间歇运转) Intermittent operation										
适配伺服马达	Adapt to servo motor	W	1000-5000										
适配步进马达	Suitable for stepping motor												
容许轴向负载	Allowable axial load	N	29600										
容许惯性力矩	Allowable moment of inertia	N.m	750										
扭转刚性	Torsional rigidity	N.m/arcmin	175										
倾覆力矩	Overturning moment	N.m	6300										
精度寿命	Accuracy life	h	30000 (间歇运转) Intermittent operation										
防护等级	Protection level	IP	50										
润滑方式	Lubrication method		长效润滑 Long-term lubrication										
安装方式	Installation method		任意 Arbitrary										
旋转平台同心度	Concentricity of rotating platform	mm	≤0.02										
旋转平台平行度	Parallelism of rotating platform	mm	≤0.04										
传动效率	Transmission efficiency	%	95	90					90				
噪音	Noise	db	≤67										
重量	Weight	kg											
设计承重	Design load	kg	1000										

外形尺寸图表
Outline dimensional

HRTK450 配2KW伺服接口 for 2KW Servo Interface



HRTK450JS-L1 配2KW伺服接口 for 2KW Servo Interface



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