



GSH 系列中空旋转平台 GSH Series Hypoid Rotary Tables



高精度，高效率

螺旋导程式海波齿相较于螺旋伞齿，拥有更高减速比、更高转矩、更高精度及更低磨损的优势，采用滑动方式旋转，传动精度可达 30 角秒，传动效率高达 96%，齿轮几何公差 $\leq 0.002\text{mm}$ ，达 JIS0 级标准。

High Precision, High Efficiency

The spiral guide hypoid gear excels with higher ratio, torque, precision, and efficiency compared to spiral bevel. With sliding rotation, it achieves 30 arc seconds accuracy and 96% efficiency; Geometric tolerance is below 0.002mm, meeting JIS0 standard.

防护等级 IP65

可适应湿度较高的环境，防水防尘。

IP65

Suitable for high humidity environment, waterproof and dust-proof.

高扭矩，高刚性

外壳采用合金钢材质，搭配大模数齿根设计，可满足大惯量负载的旋转需求。

High Torque, High Rigidity

The housing is made of alloy steel material, with a large module tooth root design, which is suitable for the rotation requirements of large inertia loads.

寿命长

采用高硬度、高密度齿轮材料，精度寿命可达 30000 小时。

Long Life-span

With high-hardness and high-density gear materials, the accuracy life can reach 30000hrs.

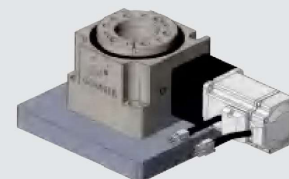
广泛应用于汽车传动系统、CNC 设备及机械手臂等行业。

Widely used in auto-mission system CNC and robot arm fields.

应用范例 Example



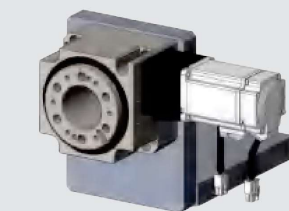
■安装方式 Installation



水平安装
Horizontal Installation

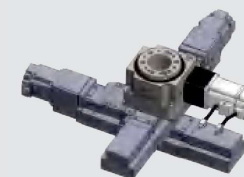


吊装
Suspension Installation

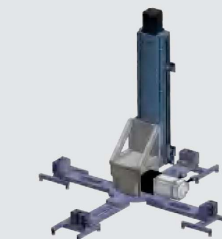


侧装
Vertical Installation

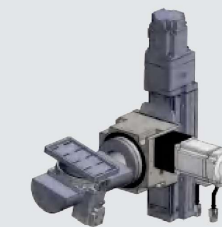
■安装范例 Example



结合 GXY 系列水平安装
Combined with GXY Series



吊装范例
Suspension Installation Example



侧装范例
Vertical Installation Example

GSH

GSR

GSHR

GSA

GR

GYH

GSN

GSB

GSG

技术手册
Technical
Manual

GSZ

GMR

GMC

GMA

GML

GSH

GSR

GSHR

GSA

GR

GYH

GSN

GSB

GSG

技术手册
Technical
Manual

GSZ

GMR

GMC

GMA

GML

GSH60

GSH

60

30K

SV1

系列代码 Series

规格 Size

减速比 Ratio

马达规格 Motor

60

100

150

200

SV1 : 伺服 Ø8 PCD45,M3
SV2 : 伺服 Ø8 PCD46,M4
适配各品牌 100W AC 伺服马达SV1: Servo Ø8 PCD45,M3
SV2: Servo Ø8 PCD46,M4
Suit for 100W AC Servo MotorST1 : 步进 Ø5 PCD43.8,M3
ST2 : 步进 Ø6 PCD43.8,M3
适配各品牌 42 型步进马达ST1: Stepper Ø5 PCD43.8,M3
ST2: Stepper Ø6 PCD43.8,M3
Suit for 42 Stepper Motor

GSH100

GSH

100

30K

SV1

系列代码 Series

规格 Size

减速比 Ratio

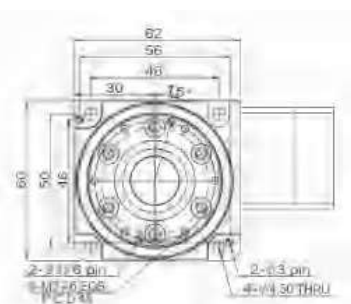
马达规格 Motor

60

100

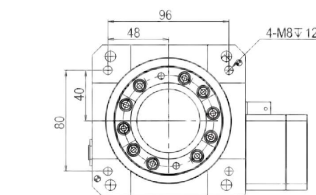
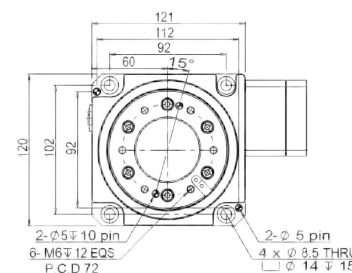
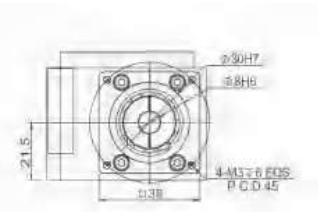
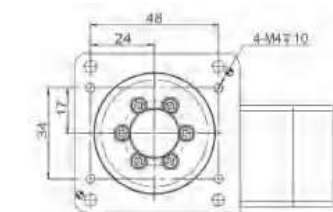
150

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SV1: Servo Ø14 PCD70,M4
SV2: Servo Ø14 PCD70,M5
SV3: Servo Ø11 PCD70,M4
Suit for 200~400W AC Servo MotorST1 : 步进 Ø6.35 PCD66.67,M4
ST2 : 步进 Ø6.35 PCD70.7,M4
ST3 : 步进 Ø8 PCD70.7,M4
ST4 : 步进 Ø8 PCD66.67,M4
适配各品牌 57 型 /60 型步进马达ST1: Stepper Ø6.35 PCD66.67,M4
ST2: Stepper Ø6.35 PCD70.7,M4
ST3: Stepper Ø8 PCD70.7,M4
ST4: Stepper Ø8 PCD66.67,M4
Suit for 57/60 Stepper Motor

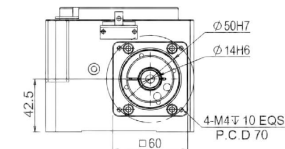
■ 技术参数 Technical Parameters

旋转平台轴承 Bearing of Rotary Table		交叉滚子轴承 Cross Roller Bearing
容许转矩 Allowable Torque	N.m	30
容许惯性力矩 Allowable Overturning Moment	N.m	5
容许盘面转速 Allowable Table Speed	rpm	90
减速比 Gear Ratio	i	30
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
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



■ 技术参数 Technical Parameters

旋转平台轴承 Bearing of Rotary Table		圆锥滚子轴承 Tapered Roller Bearing
容许转矩 Allowable Torque	N.m	115
容许惯性力矩 Allowable Overturning Moment	N.m	150
容许盘面转速 Allowable Table Speed	rpm	90
减速比 Gear Ratio	i	30
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	2500
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	65
重量 Weight	kg	8.5



GSH150

GSH

150

30K

SV1

系列代码 Series

规格 Size

减速比 Ratio

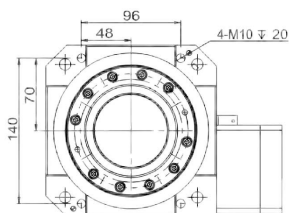
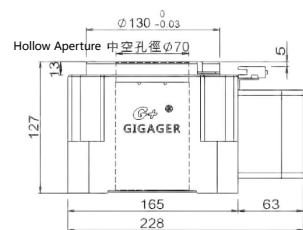
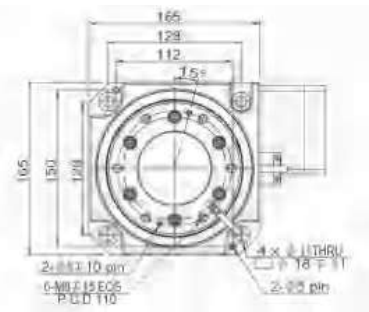
马达规格 Motor

60

100

150

200

SV1 : 伺服 Ø19 PCD90,M5
SV2 : 伺服 Ø19 PCD90,M6
适配各品牌 750W AC 伺服马达SV1: Servo Ø19 PCD90,M5
SV2: Servo Ø19 PCD90,M6
Suit for 750W AC Servo MotorST1 : 步进 Ø14 PCD98.4,M5
ST2 : 步进 Ø14 PCD98.4,M6
适配各品牌 86 型步进马达ST1: Stepper Ø14 PCD98.4,M5
ST2: Stepper Ø14 PCD98.4,M6
Suit for 86 Stepper Motor

■ 技术参数 Technical Parameters

旋转平台轴承 Bearing of Rotary Table	圆锥滚子轴承 Tapered Roller Bearing
容许转矩 Allowable Torque	N.m 220
容许惯性力矩 Allowable Overturning Moment	N.m 400
容许盘面转速 Allowable Table Speed	rpm 90
减速比 Gear Ratio	i 30
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 6000
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 65
重量 Weight	kg 18

GSH200

GSH

200

30K

SV1

系列代码 Series

规格 Size

减速比 Ratio

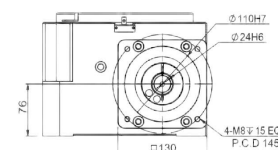
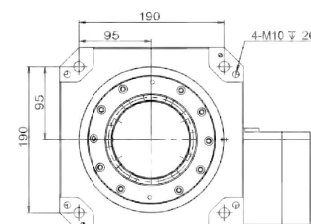
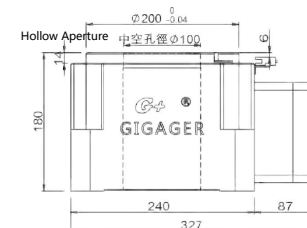
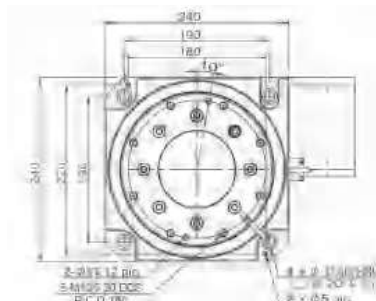
马达规格 Motor

60

100

150

200

SV1 : 伺服 Ø22 PCD145,M8
SV2 : 伺服 Ø24 PCD145,M8
适配各品牌 1000W AC 伺服马达SV1: Servo Ø22 PCD145,M8
SV2: Servo Ø24 PCD145,M8
Suit for 1000W AC Servo Motor

■ 技术参数 Technical Parameters

旋转平台轴承 Bearing of Rotary Table	圆锥滚子轴承 Tapered Roller Bearing
容许转矩 Allowable Torque	N.m 450
容许惯性力矩 Allowable Overturning Moment	N.m 800
容许盘面转速 Allowable Table Speed	rpm 90
减速比 Gear Ratio	i 30
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 10000
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 65
重量 Weight	kg 57