



Hollow Rotary Tables/GSH Series

Hypoid Gear, High Torque, Low Wear



GSH Series

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 JISO standard.

P65

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

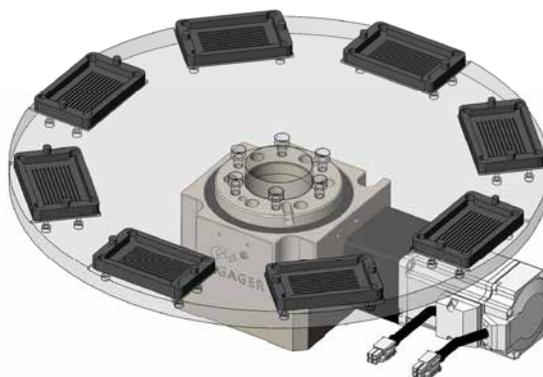
High Torque, High Rigidity

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.

Long Life-span

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

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

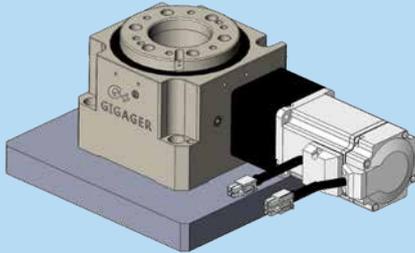


Example

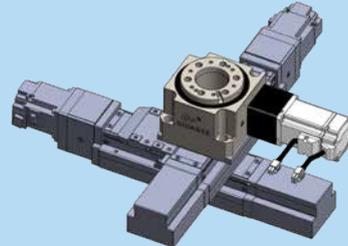
Installation

Example

Horizontal Installation



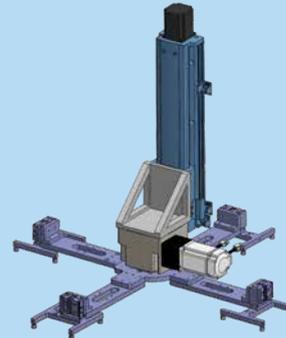
Combined with GXY Series



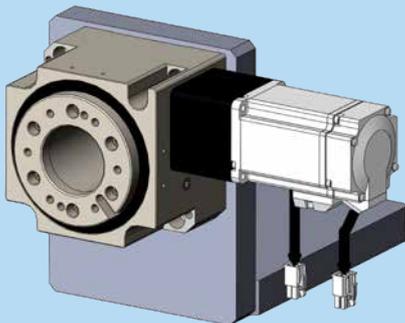
Suspension Installation



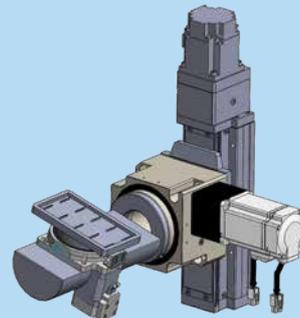
Suspension Installation Example



Vertical Installation



Vertical Installation Example



XXY

GXYR

GX

GZ

GTZ

GXY

GR

GYH

GSH

GSR

GSHR

GSA

GSN

GSB

GSG

Parameter

GSZ

GMR

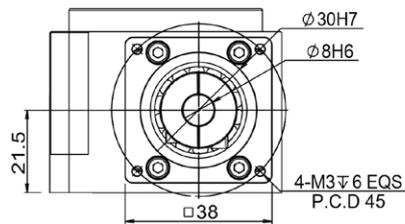
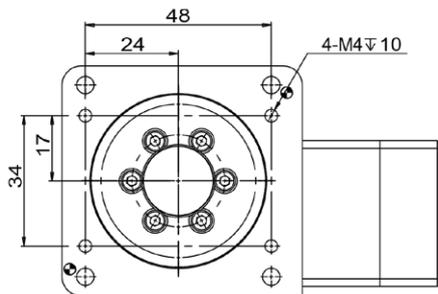
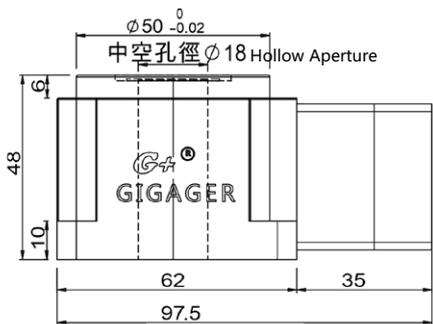
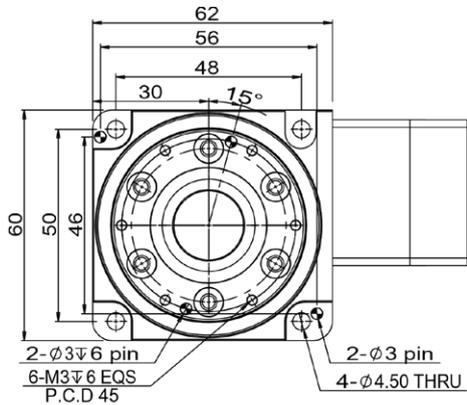
GMC

GMA

GML

GSH60

Series	Size	Ratio	Motor
GSH	60	30K	SV1
	60 100 150 200		SV1: Servo Ø8 PCD45,M3 SV2: Servo Ø8 PCD46,M4 Suit for 100W AC Servo Motor ST1: Stepper Ø5 PCD43.8,M3 ST2: Stepper Ø6 PCD43.8,M3 Suit for 42 Stepper Motor



Technical Parameters

Bearing of Rotary Table		Cross Roller Bearing
Allowable Torque	N.m	30
Allowable Moment of Inertia	N.m	5
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy	arc-sec	≤ 50
Allowable Axial Load	N	300
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Ingress Protection	IP	54
Weight	kg	0.9

XXY
GXYR
GX
GZ
GTZ
GXY
GR
GYH
GSH
GSR
GSHR
GSA
GSN
GSB
GSG
Parameter
GSZ
GMR
GMC
GMA
GML

GSH100

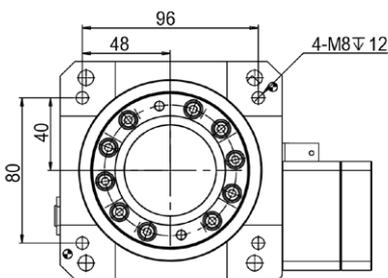
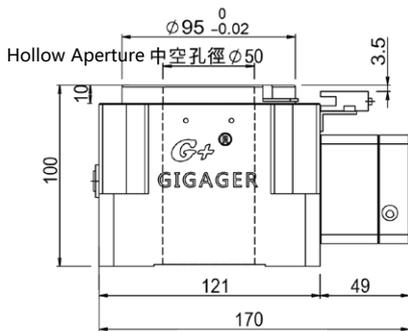
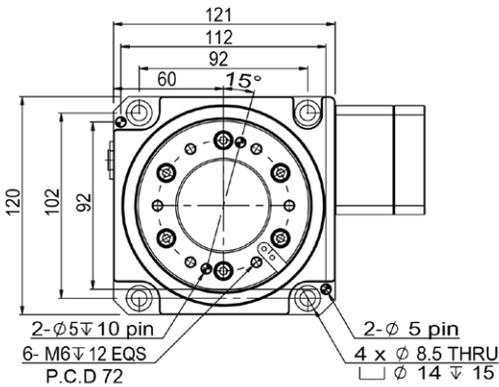
Series	Size	Ratio
GSH	100	30K

Motor
SV1

60
100
150
200

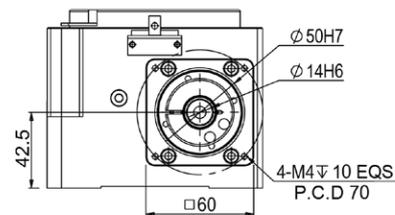
SV1: Servo Ø14 PCD70,M4
 SV2: Servo Ø14 PCD70,M5
 SV3: Servo Ø11 PCD70,M4
 Suit for 200~400W AC Servo Motor

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



Technical Parameters

Bearing of Rotary Table	Tapered Roller Bearing	
Allowable Torque	N.m	115
Allowable Moment of Inertia	N.m	150
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy	arc-sec	≤ 50
Allowable Axial Load	N	2500
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Ingress Protection	IP	65
Weight	kg	8.5



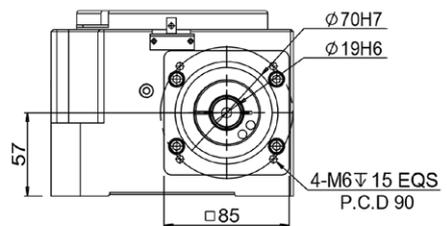
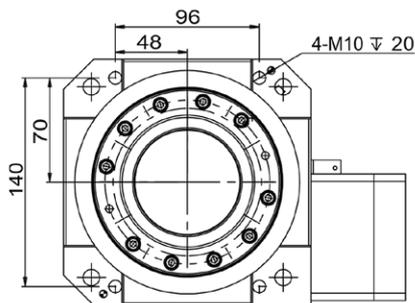
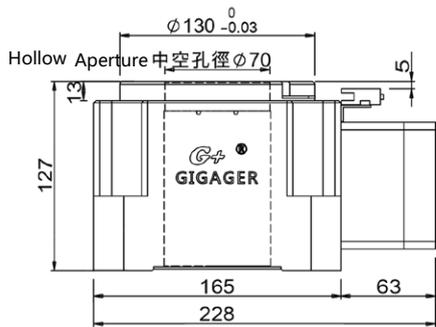
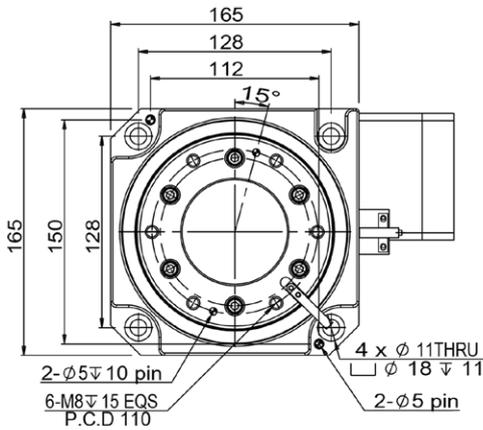
GSH150

Series	Size	Ratio	Motor
GSH	150	30K	SV1

60
100
150
200

SV1: Servo Ø19 PCD90,M5 SV2: Servo Ø19 PCD90,M6 Suit for 750W AC Servo Motor
ST1: Stepper Ø14 PCD98.4,M5 ST2: Stepper Ø14 PCD98.4,M6 Suit for 86 Stepper Motor

XXY
GXYR
GX
GZ
GTZ
GXY
GR
GYH
GSH
GSR
GSHR
GSA
GSN
GSB
GSG
Parameter
GSZ
GMR
GMC
GMA
GML



Technical Parameters

Bearing of Rotary Table		Tapered Roller Bearing
Allowable Torque	N.m	220
Allowable Moment of Inertia	N.m	400
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy	arc-sec	≤ 50
Allowable Axial Load	N	6000
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Ingress Protection	IP	65
Weight	kg	18

GSH200

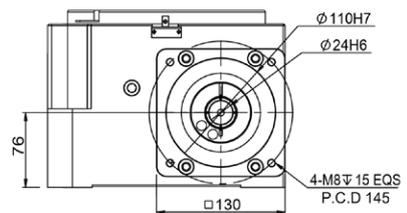
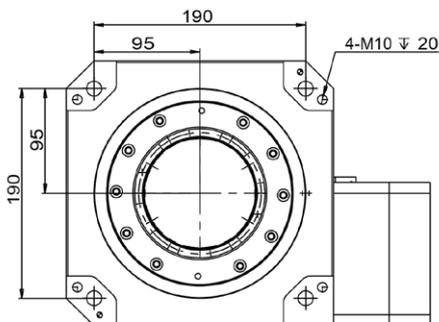
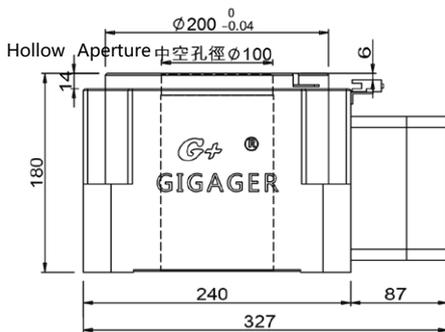
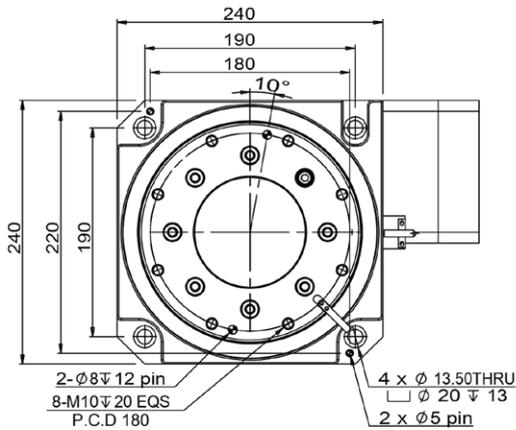
Series	Size	Ratio
GSH	200	30K

60
100
150
200

Motor
SV1

SV1: Servo Ø22 PCD145,M8
 SV2: Servo Ø24 PCD145,M8
 Suit for 1000W AC Servo Motor

- XXY
- GXYR
- GX
- GZ
- GTZ
- GXY
- GR
- GYH
- GSH**
- GSR
- GSHR
- GSA
- GSN
- GSB
- GSG
- Parameter
- GSZ
- GMR
- GMC
- GMA
- GML



Technical Parameters

Bearing of Rotary Table	Tapered Roller Bearing	
Allowable Torque	N.m	450
Allowable Moment of Inertia	N.m	800
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy	arc-sec	≤ 50
Allowable Axial Load	N	10000
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Ingress Protection	IP	65
Weight	kg	57