

# G+<sup>®</sup> GSH Hypoid Gear Rotary Table

High Precision, High Efficiency, High Rigidity, High Torque



**GSH Series**

## High Precision

The spiral guide Hypoid Gear has the advantages of higher reduction ratio, high torque, high precision and low wear than the spiral bevel. The sliding mode rotates, the transmission precision can reach 30 arc seconds, the transmission efficiency is up to 96%; the gear geometric tolerance  $\leq 0.002\text{mm}$ , up to JIS0 level standard.

## IP Grade IP65

Suitable for environments with high humidity, waterproof and dustproof.

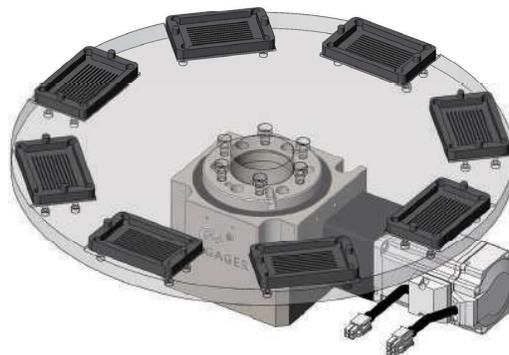
## High Torque, High Rigidity

The housing is made of alloy steel and has a large modulus root design, which is suitable for the rotation of large inertia loads.

## Long Life

With high hardness and high density gear materials, the precision life can reach 30,000hr.

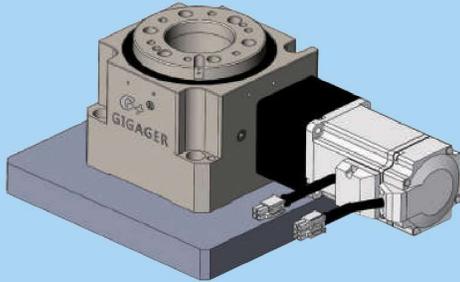
Widely used for auto transmission system,  
CNC and robot arm fields.



**Example**

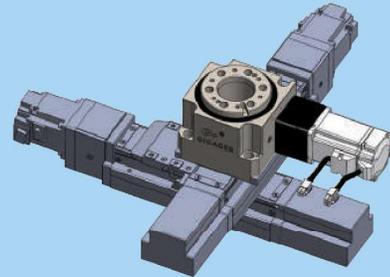
## ■ Installation

Horizontal Installation

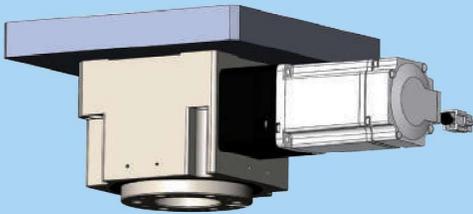


## ■ Example

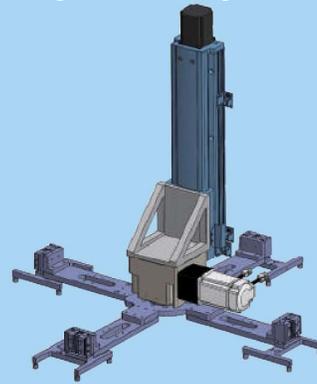
Combine with GXY Series



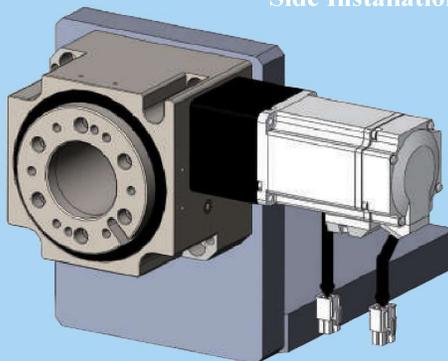
Suspension Installation



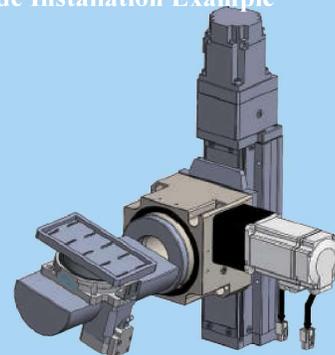
Suspension Example



Side Installation



Side Installation Example

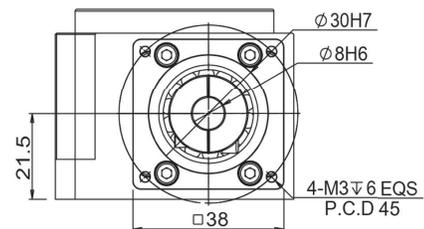
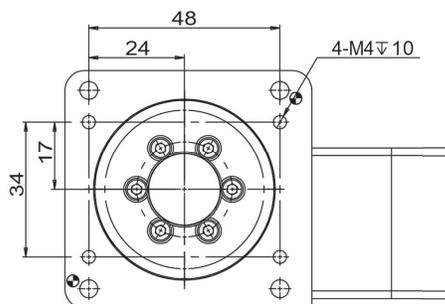
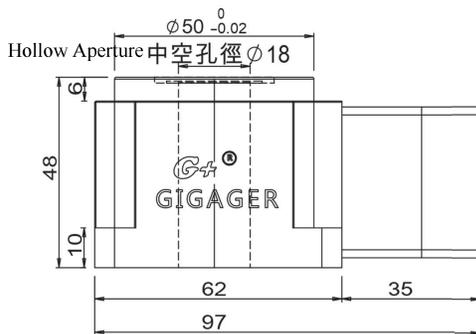
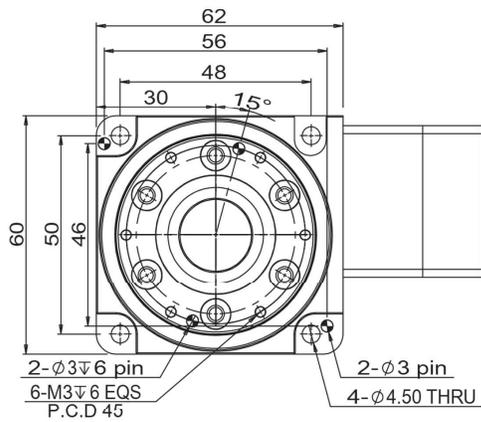


# GSH60

Series	Size	Gear Ratio	Motor Type
<b>GSH</b>	<b>60</b>	<b>30K</b>	<b>SV1</b>

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 Parameter

Bearing of Rotary Table		Cross Roller Bearing
Permissible Torque	N.m	30
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
Precision Life hr ( Intermittent )		30000
Ingress Protection	IP	54
Weight	kg	0.9

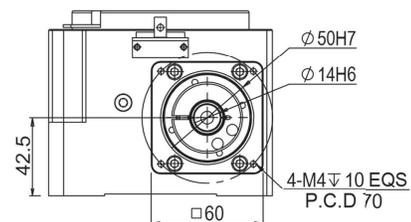
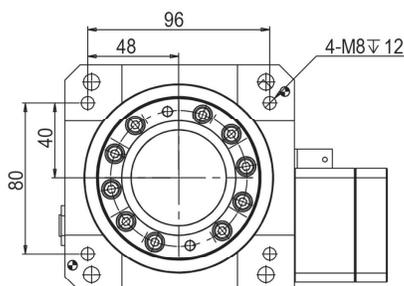
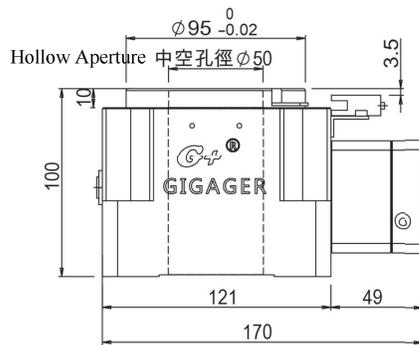
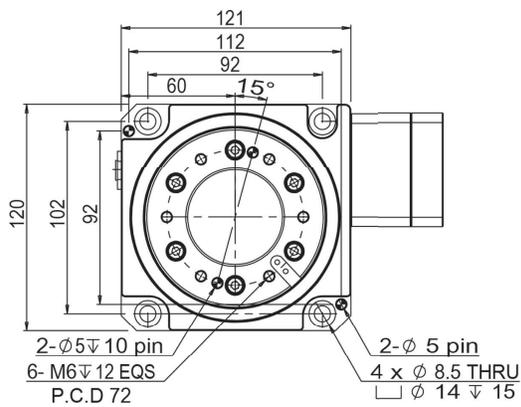
# GSH100

Series	Size	Gear Ratio	Motor Type
<b>GSH</b>	<b>100</b>	<b>30K</b>	<b>SV1</b>

60
<b>100</b>
150
200

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

ST1 : Stepper Ø6.35 PCD66.67,M4  
 ST2 : Stepper Ø8 PCD70,M4  
 ST3 : Stepper Ø10 PCD70,M4  
 Suit for 60 Stepper Motor



## Technical Parameter

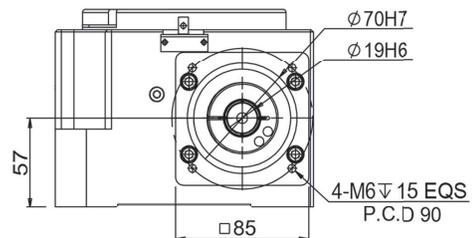
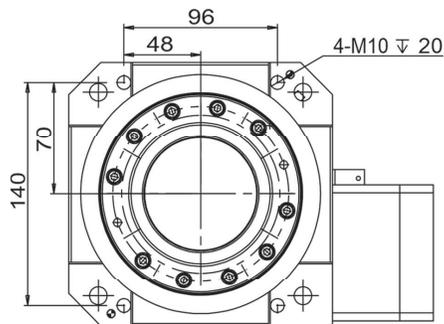
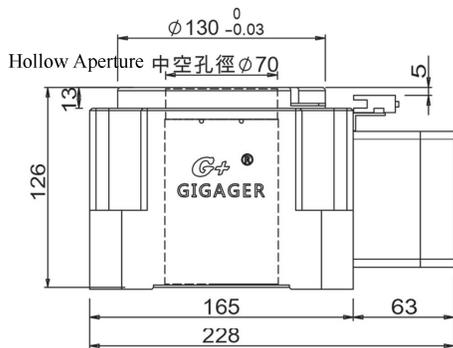
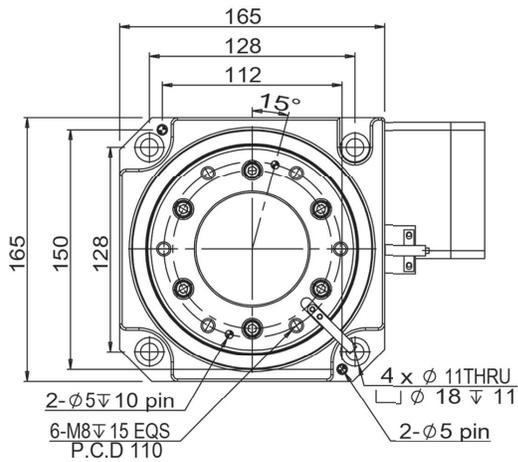
Bearing of Rotary Table		Tapered Roller Bearing
Permissible Torque	N.m	115
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy		≤ 50
Allowable Axial Load	N	2500
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Precision Life hr ( Intermittent )		30000
Ingress Protection	IP	65
Weight	kg	8.5

# GSH150

Series	Size	Gear Ratio	Motor Type
<b>GSH</b>	<b>150</b>	<b>30K</b>	<b>SV1</b>

60
100
<b>150</b>
200

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

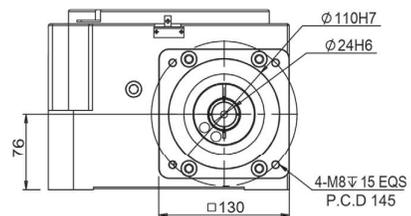
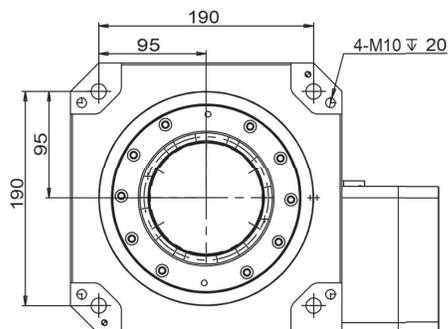
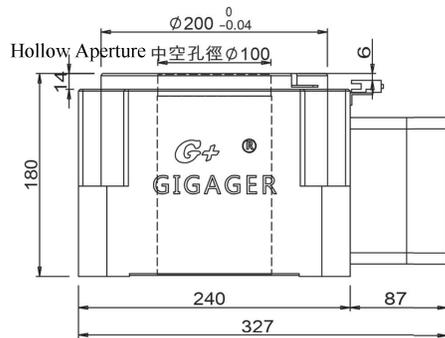
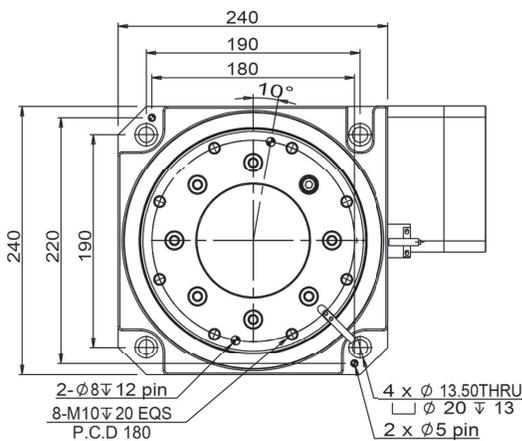


## Technical Parameter

Bearing of Rotary Table		Tapered Roller Bearing
Permissible Torque	N.m	220
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy		≤ 50
Allowable Axial Load	N	6000
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Precision Life hr ( Intermittent )		30000
Ingress Protection	IP	65
Weight	kg	18

# GSH200

Series	Size	Gear Ratio	Motor Type
<b>GSH</b>	<b>200</b>	<b>30K</b>	<b>SV1</b>
	60		SV1 : Servo Ø22 PCD145,M6 SV2 : Servo Ø24 PCD145,M8 Suit for 1000W AC Servo Motor
	100		
	150		
	<b>200</b>		



## Technical Parameter

Bearing of Rotary Table		Tapered Roller Bearing
Permissible Torque	N.m	450
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy		≤ 50
Allowable Axial Load	N	10000
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Precision Life hr ( Intermittent )		30000
Ingress Protection	IP	65
Weight	kg	57