



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.

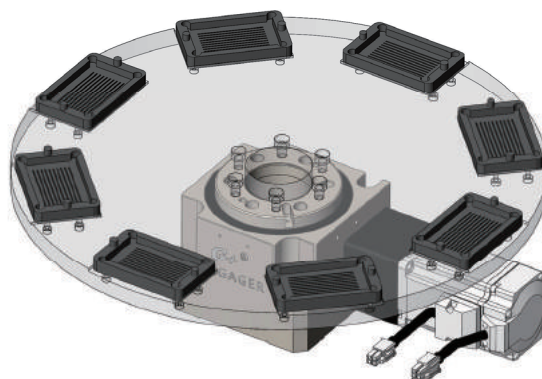
High Torque, High Rigidity

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.

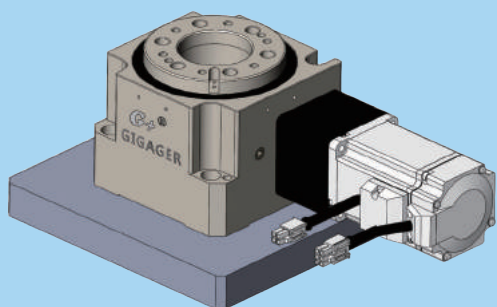
Widely used for auto transmission system,
CNC and robot arm fields.



Example

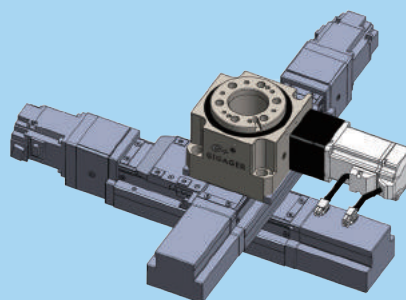
■ Installation

Horizontal Installation

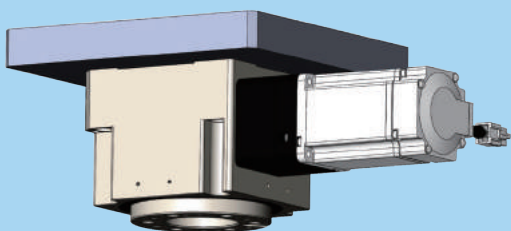


■ Example

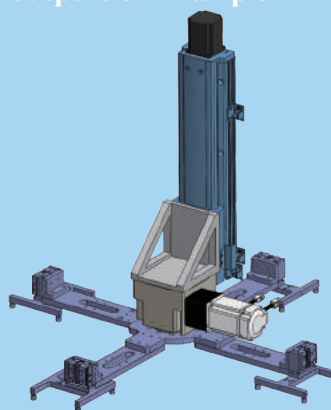
Combine with GXY Series



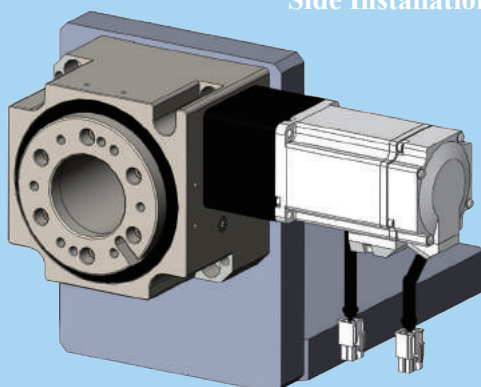
Suspension Installation



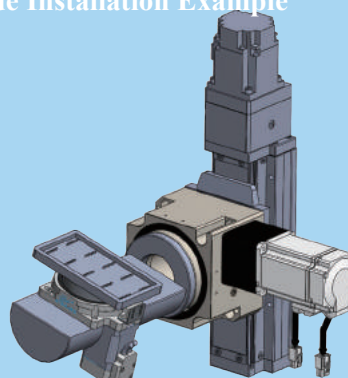
Suspension Example



Side Installation



Side Installation Example



GSH60

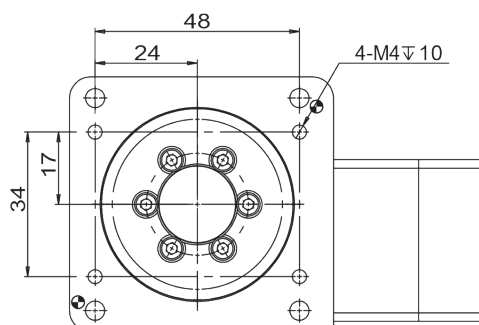
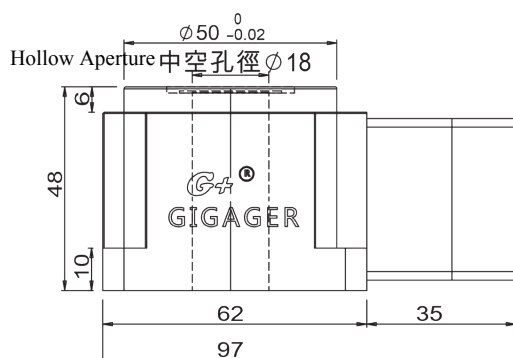
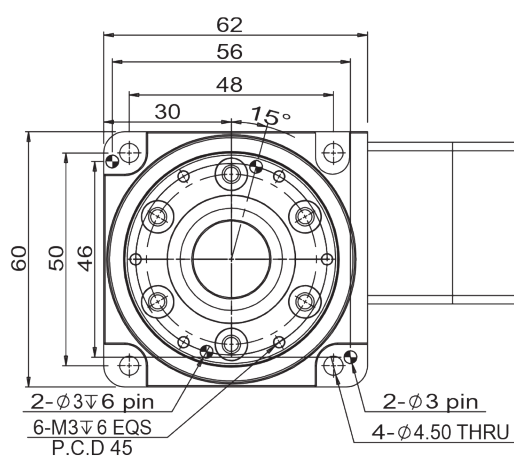
Series	Size	Gear Ratio
GSH	60	30K

60
100
150
200

Motor Type
SV1

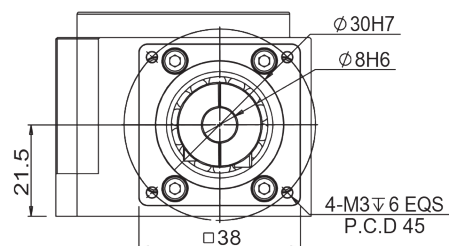
SV1 : Servo Ø8 PCD45,M3
SV2 : Servo Ø8 PCD46,M4
Suit for 100W AC Servo Motor

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

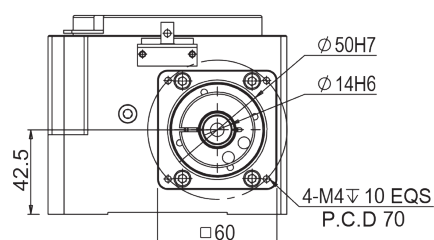
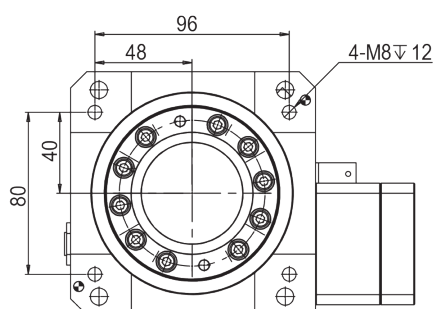
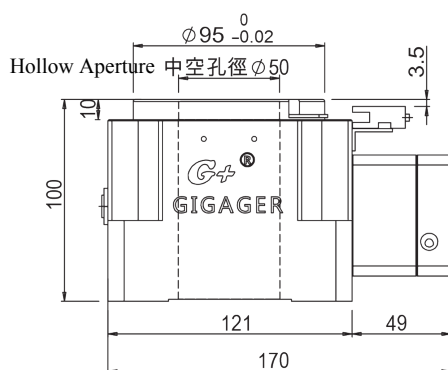
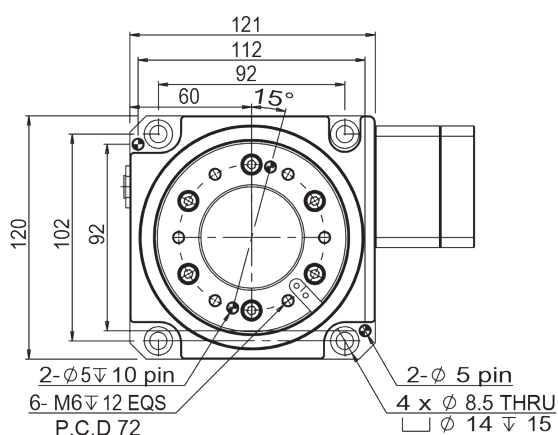
Series	Size	Gear Ratio
GSH	100	30K

60
100
150
200

Motor Type
SV1

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

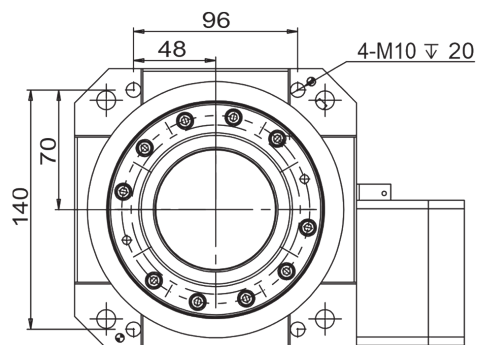
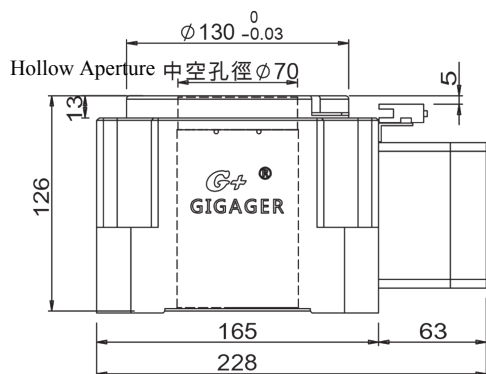
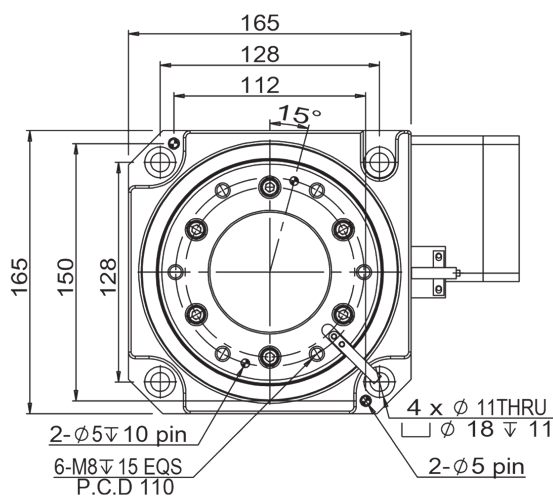
Series	Size	Gear Ratio
GSH	150	30K

60
100
150
200

Motor Type
SV1

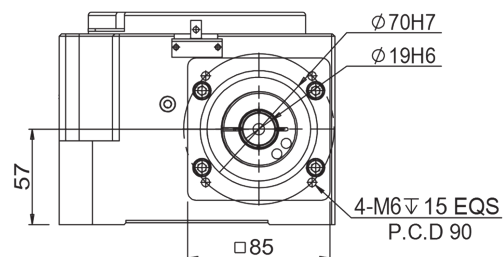
SV1 : Servo Ø19 PCD90,M5
SV2 : Servo Ø19 PCD90,M6
Suit for 750W AC Servo Motor

ST1 : Stepper Ø14 PCD98.4,M5
Suit for 86 Stepper Motor



Technical Parameter

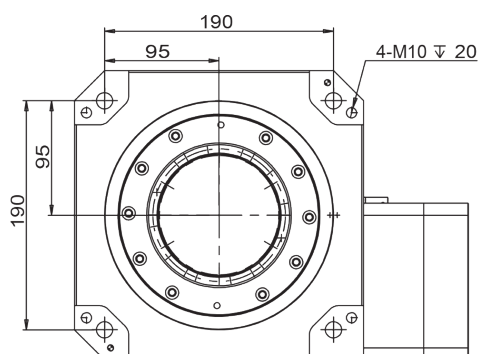
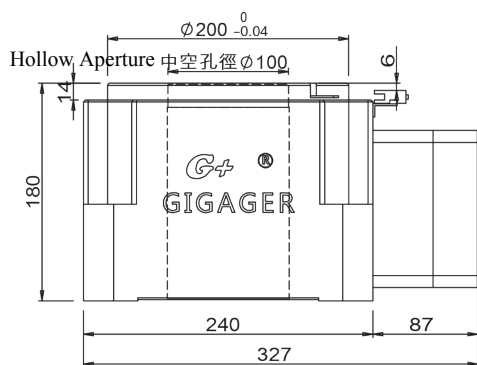
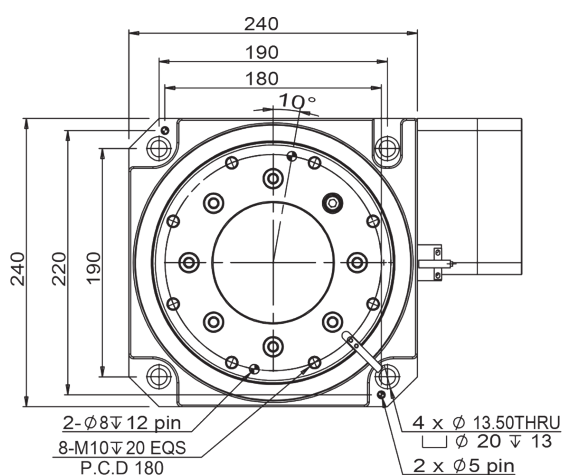
Bearing of Rotary Table		Tapered Roller Bearing
Permissible Torque	N.m	220
Allowable Table Speed	rpm	90
Gear Ratio	i	30
Repeatability	arc-sec	≤ 10
Positioning Accuracy		≤ 50
Allowable Axial Load	N	6000
Table Flatness	mm	≤ 0.01
Table Concentricity	mm	≤ 0.01
Precision Life hr (Intermittent)		30000
Ingress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



GSH200

Series	Size	Gear Ratio
GSH	200	30K
	60	
	100	
	150	
	200	

Motor Type
SV1
SV1 : Servo Ø22 PCD145,M6 SV2 : Servo Ø24 PCD145,M8 Suit for 1000W AC Servo Motor



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

