

- 1) Connected with service shaft by hollow shaft and plate spring directly.
- 2) Excellent dynamic characteristic, convenient installation reliable.
- 3) Suitable for various AC and DC servo motor.

Electrical spec	
Output wave	Square wave
Standard number of pulses per revolution	10, 20, 30, 40, 50, 60, 80, 100, 120, 125, 200, 240, 256, 300, 400, 450, 480, 500, 512, 600, 720, 750, 800, 900, 1000, 1024, 1080, 1200, 1250, 1500, 1800, 2000, 2048, 2500, 3000, 3600, 4000, 4096, 5000, 5400, or as customer require
Power supply	DC5-30V DC5V
MAX. Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
Main material	Aluminum
Shell material	Aluminum
The axis diameter	8mm Or as customer require
Shaft loading	Rxial:10N Radial:20N
Starting torque	≤10g.cm (+25°C)
MAX.speed	6000rpm
Vibration	≤100m/s²(5~2000HZ)
Shock	≤1000m/s²(11ms)
Weight	≤0.2kg
Environmental spec	
Operating temp	-10°C-70°C(No icing)
Operating humidity	30~85%RH (No frost)
Storage temp	-30°C-80°C
Protection grade	Ip50

Signal	+V	SIGZ	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable color	Red	Yellow	Green	Black	White	Gray	Brown	Orange	Copper grid
Socket NO.	1	2	3	4	5	6	7	8	9



SH48D8 - Hollow Shaft Rotary Encoder



Features:

- (1)Hollow mode,taper hole(1:10 taper).
- (2)Excellent dynamic characteristic,convenient installation reliable.
- (3)Suitable for various AC.DC servo motor.

Hollow Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	8mm (Other sizes can be customized)
Shaft loading	Axial:15N Radial:25N
Starting torque	≤10g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.2kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SH58D12 - Hollow Shaft Rotary Encoder



Features:

- (1) Connected with service shaft directly by hollow shaft and plate spring.
- (2) Excellent dynamic characteristic, convenient installation reliable.
- (3) U, V, W signal for detecting magnetic pole position of AC motor.

Hollow Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	12mm (Other sizes can be customized)
Shaft loading	Axial:50N Radial:65N
Starting torque	≤50g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.35kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SH58D14 - Hollow Shaft Rotary Encoder



Features:

- (1)Hollow economical model, $\Phi 14$ taper hole,can be machine to $\Phi 10,\Phi 12$
- (2)Suitable for operating conditions with heavy load,mainly used for industrial automatization.
- (3)Excellent dynamic characteristic,convenient installation reliable.

Hollow Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	$\leq 60\text{mA}$
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	14mm (Other sizes can be customized)
Shaft loading	Axial:50N Radial:65N
Starting torque	$\leq 50\text{g.cm} (+25^{\circ}\text{C})$
MAX.SPEED	6000rpm
Vibration	$\leq 100\text{m/s}^2 (5-2000\text{HZ})$
Shock	$\leq 1000\text{m/s}^2 (11\text{ms})$
Weight	$\leq 0.35\text{kg}$
Environmental spec	
Operating Temp	$-10^{\circ}\text{C}-70^{\circ}\text{C}$
Operating Humidity	30-85%RH
Storage Temp	$-30^{\circ}\text{C}-80^{\circ}\text{C}$
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SH75D17 - Hollow Shaft Rotary Encoder



Features:

- (1)Hollow mode,Φ17 taper hole(1:10 taper).
- (2)Connected with service shaft directly by hollow shaft and plate spring.
- (3)Excellent dynamic characteristic,convenient installation reliable.

Hollow Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	17mm (Other sizes can be customized)
Shaft loading	Axial:70N Radial:85N
Starting torque	≤70g.cm(+25°C)
MAX.SPEED	6000rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤1.1kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SH80D20 - Hollow Shaft Rotary Encoder



Features:

- (1) Anti-EMI, protection for wrong connection of power supply.
- (2) Used for detecting elevator position and speed.
- (3) Excellent dynamic characteristic, convenient installation reliable.

Hollow Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	20mm (Other sizes can be customized)
Shaft loading	Axial:20N Radial:40N
Starting torque	≤40g.cm(+25°C)
MAX.SPEED	2500rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤1.1kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9



SH90D30 - Hollow Shaft Rotary Encoder



Features:

- 1) Anti-EMI, protection for wrong connection of power supply.
- 2) Used for detecting elevator position and speed.
- 3) Excellent dynamic characteristic, convenient installation reliable.

HOLLOW TYPE ROTARY ENCODER

Electrical spec	
Output wave	Square wave
Standard number of pulses per revolution	10, 20, 30, 40, 50, 60, 80, 100, 120, 125, 200, 240, 256, 300, 400, 450, 480, 500, 512, 600, 720, 750, 800, 900, 1000, 1024, 1080, 1200, 1250, 1500, 1800, 2000, 2048, 2500, 3000, 3600, 4000, 4096, 5000, 5400, or as customer require
Power supply	DC5-30V DC5V
MAX. Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
Main material	Aluminum
Shell material	Aluminum
The axis diameter	30mm Or as customer require
Shaft loading	Rxial:20N Radial:40N
Starting torque	≤40g.cm (+25°C)
MAX.speed	2500rpm
Vibration	≤100m/s ² (5~2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤0.2kg
Environmental spec	
Operating temp	-10°C-70°C(No icing)
Operating humidity	30~85%RH (No frost)
Storage temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGZ	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable color	Red	Yellow	Green	Black	White	Gray	Brown	Orange	Copper grid
Socket NO.	1	2	3	4	5	6	7	8	9



SH100D40 - Hollow Shaft Rotary Encoder



Features:

- (1)Anti-EMI,protection for wrong connection of power supply.
- (2)Used for detecting elevator position and speed.
- (3)Excellent dynamic characteristic,convenient installation reliable.

Hollow Type Rotary Encoder

Electrical spec	
Output Wave	Square Wave
standard number of pulses per revolution	10,20,30,40,50,60,80,100,120,125,200,240,256,300,400,450,480,500,512,600,720,750,800,900,1000,1024,1080,1200,1250,1500,1800,2000,2048,2500,3000,3600,4000,4096,5000,5400 According to customer requirements
Power Supply	DC5-30V DC5V
MAX.Response	0KHZ-200KHZ
Current consumption	≤60mA
Mechanical spec	
The main material	Aluminum
Shell material	Aluminum
The axis diameter	40mm (Other sizes can be customized)
Shaft loading	Axial:20N Radial:45N
Starting torque	≤170g.cm(+25°C)
MAX.SPEED	2500rpm
Vibration	≤100m/s ² (5-2000HZ)
Shock	≤1000m/s ² (11ms)
Weight	≤1.1kg
Environmental spec	
Operating Temp	-10°C-70°C
Operating Humidity	30-85%RH
Storage Temp	-30°C-80°C
Protection grade	Ip50

Wiring table

Signal	+V	SIGA	SIGA	0V	SIGB	SIGB	SIGA	SIGZ	Shield
Cable Color	red	yellow	green	black	white	gray	brown	orange	copper grid
Socket No.	1	2	3	4	5	6	7	8	9

