

High Speed Slip Rings

High speed slip rings are required in high speed operating systems to transfer power and signal from a stationary to a rotating part. AOOD provide speeds up to 20,000rpm high speed slip rings. These high speed units maintain reliable and superior electrical transfer capability under high speed operation, high vibration and high shock environments. High precision processing allows fiber brushes feature low contact force and low contact wear rates. Brush blocks are easily replaceable for extended life.

Features

- Speeds up to 20,000rpm
- Speeds up to 12,000rpm without the need of cooling
- Compatible with various signals and communication protocols
- High performance under adverse operating conditions
- A variety of configurations and mounting optional
- Stainless steel housing and higher protection optional

Advantages

- Low drive torque and low electrical noise
- Easy to replace brush block for extended life
- Maintenance-free operation (no lubrication required)
- High quality and reliability

Typical Applications

- High speed testing
- Aerospace & navigation testing
- Tire testing
- Centrifuges
- Thermocouple and strain gauge instruments
- Robotics

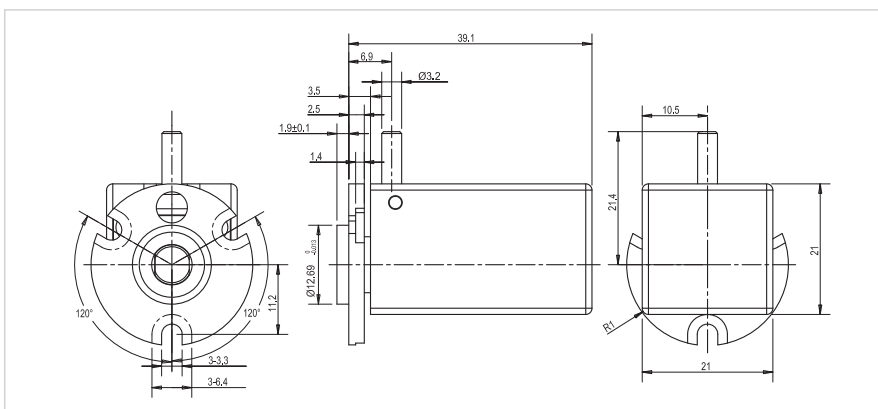
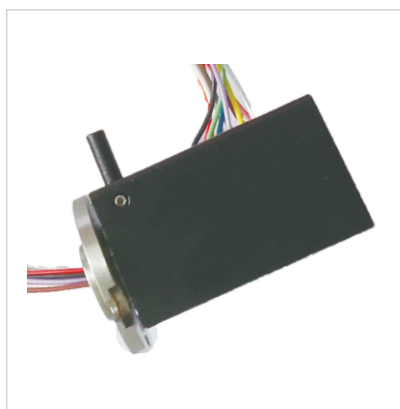
High Speed Slip Rings						
Model	Rings	Current	Voltage	Size	Through Bore	Operating Speed
				OD x L (mm)		
ADSR-HSA-12	12	2A	380VAC	39.1	/	1~12,000rpm
ADSR-HSB-10	10	2A	380VAC	31.2 x 42	/	1~12,000rpm
Remark: lifetime can be extended by replacing brush block.						

Specification

Electrical	
Rings	10 or 12
Voltage	380VAC
Rating Current	2A, 5A, 10A
Insulation Resistance	500 mΩ @ 500VDC
Electric Noise	< 20mΩ
Dielectric Strength	600VAC @ 50Hz
Mechanical	
Operating Speed	1,200 rpm
Torque	<0.01 N*M
Life	up to 100,000,000 revolutions

Material	
Contact Material	Precious metal
Bearing	High speed bearing
Connection	Leads or terminal
Environmental	
Working Temperature	-40°C~ +80°C
Storage Temperature	-45°C~ +85°C
Humidity	95±3% (30°C+5°C)
Protection	IP54 or IP65
Vibration	MIL-STD-810G
Shock	MIL-STD-810G

► ADSR-HSA-12



► ADSR-HSB-10

