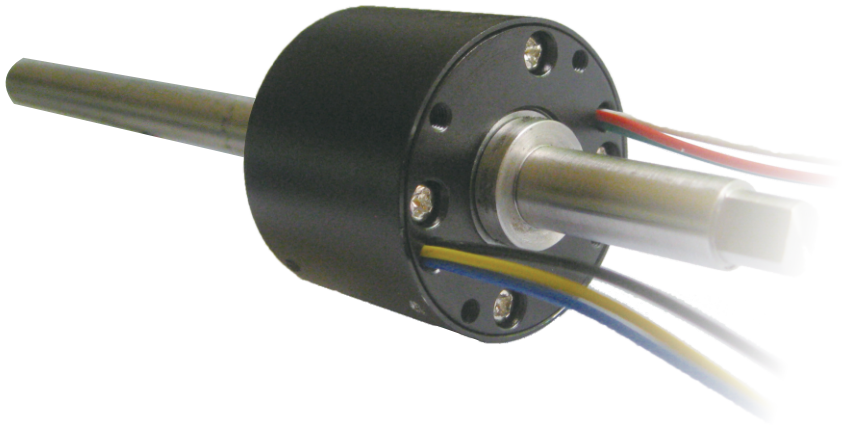
High Temperature Slip Rings



AOOD provide standard and custom slip ring designs to operate in high temperature environments. These designs are available in compact capsule, miniature through hole, large bore or cylindrical shapes to meet various applications' technical and mounting need. Higher voltage, speed or pressure are possible. Unique design, critical materials selection and high standard tests ensure these high temperature slip ring units' high quality and reliability.

Features

- Temperature range up to 400°C
- Ensure the reliable transfer of sensitive signals under high temperature condition
- Higher speed and pressure optional
- Higher voltage version optional
- High shock and vibration capabilities

Advantages

- Low electrical contact resistance
- Fully tested at peak temperature to minimize any failure modes
- Maintenance-free operation
- High quality and reliability

Typical Applications

- Down-hole equipment
- High temperature sensors
- Drying equipment
- Metallurgical equipment
- Industrial high temperature applications

High Temperature Slip Rings

Model	Rings	Current				Voltage	Size	Through Bore	Working Temperature
		2A	5A	10A	15A		OD x L (mm)		
ADSR-HTA-C15	15	15				380VAC	22 x 29.5	/	80℃ ~ +400℃
ADSR-HTA-C32	32	32				380VAC	22 x 57.6	/	80℃ ~ +400℃
ADSR-HTA-12-4P3S	7	3			4	380VAC	47 x 51	/	80℃ ~ +400℃
Remark: Other standard capsule and through bore type slip rings can provide high temperature version.									

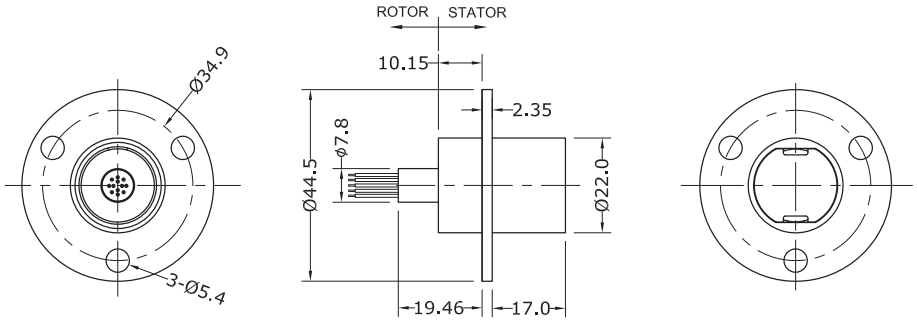
Specification

Electrical	
Insulation Resistance	500 mΩ @ 500VDC
Electric Noise	< 20mΩ
Dielectric Strength	600VAC @ 50Hz
Mechanical	
Operating Speed	300 rpm
Torque	<0.01 N*M
Life	50,000,000 revolutions
Material	
Contact Material	Precious metal
Lead Wires	300mm Teflon wires

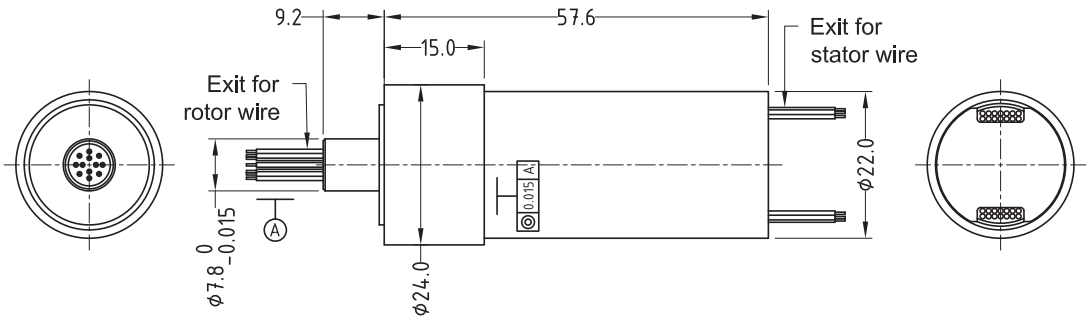
Environmental	
Working Temperature	+80℃ ~ +400℃
Humidity	95±3% (30°C+5°C)
Protection	IP54
Vibration	MIL-STD-810G
Shock	MIL-STD-810G
Options	

- Lead wires length
- Temperature range
- Dimensions
- High speed

▸ ADSR-HTA-C15



▸ ADSR-HTA-C32



▸ ADSR-HTA-12-4P3S