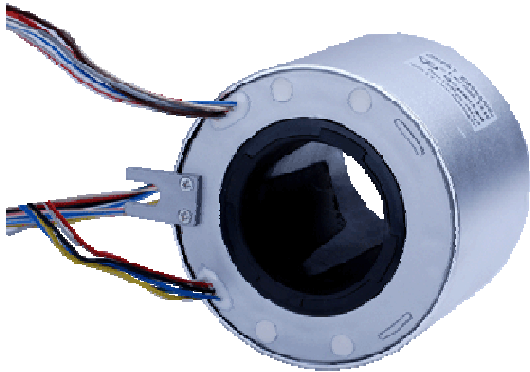


# Through Bore Slip Ring



## Main Application

- ◆ Packaging / wrapping machinery
- ◆ Semiconductor handling systems
- ◆ Industrial machinery
- ◆ Exhibit Display machinery
- ◆ Medical equipment
- ◆ Rotary index tables
- ◆ Process control equipment
- ◆ Emergency lighting, robotics Palletizing machines,
- ◆ Heavy equipment turrets or cable reels

## Option

- ◆ Placement of custom circuitry directly onto the unit
- ◆ Custom mechanical integration features
- ◆ Addition of specialist components
- ◆ Inclusion of coax and miniature data bus cables

**Contact us to discuss your special needs**

## LPT096 Series Slip Ring with Through Bore 96mm

### Description

This unit can be used in any electromechanical system that requires unrestrained, intermittent, or continuous rotation while transferring power or data.

The LPT096 Series provides an economical, readily available solution when a compact through-bore configuration is required. This unit provides a 96.0mm through-bore for routing hydraulic or pneumatic lines and a compact 86mm outside diameter for minimal space applications. The 15 amps per circuit are available in 6, 12, 18 and 24 ring configurations in 4 housing lengths. Similar in design to our very popular LPT096series, this design features long life, fiber brush contact technology for ultimate performance in many challenging applications. Fiber brushes do not require lubrication and produce virtually no wear debris, for maintenance free, life time operation.

### Features

- ◆ 6, 12, 18 and 24 circuits models
- ◆ Precious metal contacts
- ◆ 10 amps rings
- ◆ Precision ball bearings for long life
- ◆ Speed up to 300 rpm continuous
- ◆ Compact size
- ◆ Sealed units available
- ◆ Flying leads
- ◆ Fully compatible with both analog and TTL control level signals
- ◆ Rugged black anodized aluminum construction

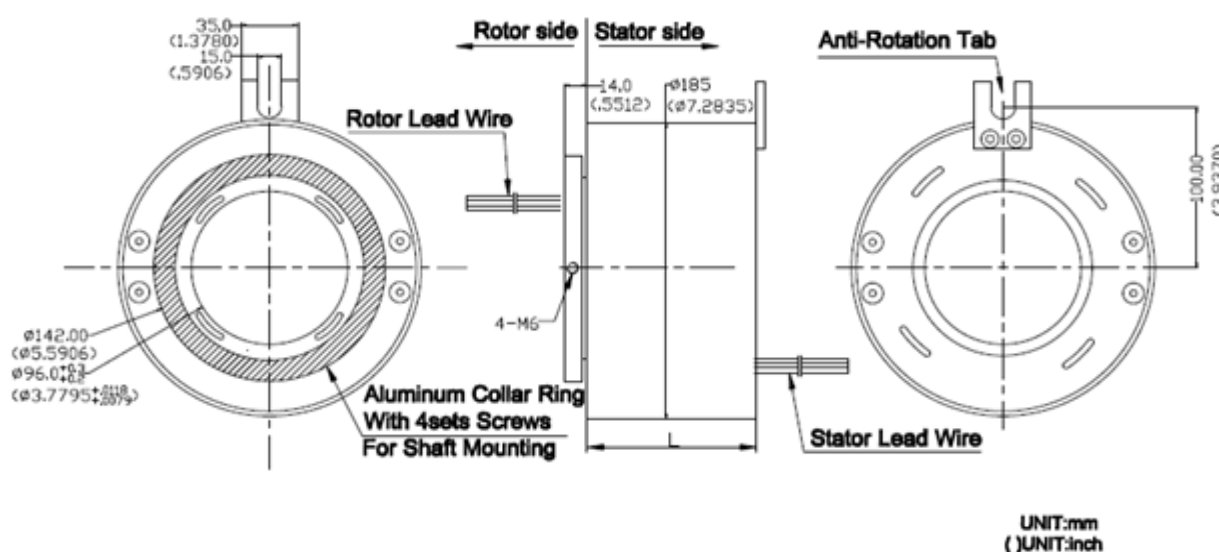
### Advantage

- ◆ Unique signal handling performance with minimal electrical circuit noise
- ◆ Compact design to fit in the most demanding space constraints
- ◆ Low torque minimizes system torque budget
- ◆ Rapid delivery

# Through Bore Slip Ring

Specification	
Circuits	1-24 circuits
Operating Speed	0-500rpm
Working Temperature	-20℃~ +60℃
Working Humidity	60%RH or higher
<b>Electrical:</b>	
Voltage Rating	380VAC/DC or higher
Current Rating	2A/5A/10A/15A per circuit
Dielectric Strength	≥1000V@50Hz between each circuit
Insulation Resistance	1000MΩ@ 500VDC
Electrical Noise	1mΩ Min
<b>Mechanical:</b>	
Contact Material	Precious metal
Lead Wire Length	Standard 300mm (11.811inch)
Housing Material	Aluminum alloy
Torque	≤9.25 g·m (for reference )
Protection	IP54 or higher

- ◆ The operating life of the unit depends upon temperature, rotation speed and environment.
- ◆ The operating life ≥50,000,000 runs ref.



# Through Bore Slip Ring

L---The length of through bore slip ring(mm)					
Part Number	Current/Circuit	6 circuits	12 circuits	18circuits	24 circuits
LPT096(Inner diameter96mm)	5A	69	96	123	150
	10A	69	96	123	150
	15A	72	102	132	162

Contact us on wire color codes