

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

LPT070 Series Slip Ring with Through Bore 70mm

Description

A slip ring can be used in any electromechanical system that requires unrestrained, continuous rotation while transferring power or data from a stationary to a rotating structure. A slip ring is also called a rotary electrical interface, collector, swivel or a commutation. A slip ring can improve system performance by simplifying operations and eliminating damage-prone wires dangling from movable joints.

The 70mm unobstructed through-bore provides routing space for hydraulics, pneumatics or for a concentric shaft mount. The LPT070 uses our fiber brush technology which offers several advantages over conventional slip ring contacts including multiple points of contact per brush bundle, low contact force per fiber and low contact wear rates. In addition, fiber brushes do not require lubrication and produce virtually no wear debris. The LPT070 features field serviceable brush blocks.

Features

- ◆ 70 mm through-bore
- ◆ Compact 135mm outside diameter
- ◆ Modular design - a single module can have: one 50 amps ring; two 30 amps rings; one, two or three 10 amps rings or six 5 amps signals
- ◆ Up to 20-50 amps circuits
- ◆ Speeds up to 500 rpm continuous
- ◆ Steel bearings and machined shaft and housing for harsh environments
- ◆ Collar mounting is standard; flange mounting is optional
- ◆ Various lead exits are available
- ◆ Silver plated rings are standard. Gold plated optional.
- ◆ Continuous 360° rotation of power or data signals
- ◆ Sealed unit

Advantage

- ◆ Transfers control and data signals
- ◆ Fiber brush technology provides maintenance-free operation (no lubrication required)
- ◆ Modular design meets special requirements through off-the-shelf manufacturing techniques
- ◆ Customized configurations for your application

Through Bore Slip Ring

L---The length of through bore slip ring(mm)					
Part Number	Current/Circuit	6 circuits	12 circuits	18circuits	24 circuits
LPT070(Inner diameter60mm)	5A	52.5	70.5	88.5	106.5
	10A	56.7	78.9	101.1	123.3
	15A	61.5	88.5	115.5	142.5

Contact us on wire color codes