

## Series S

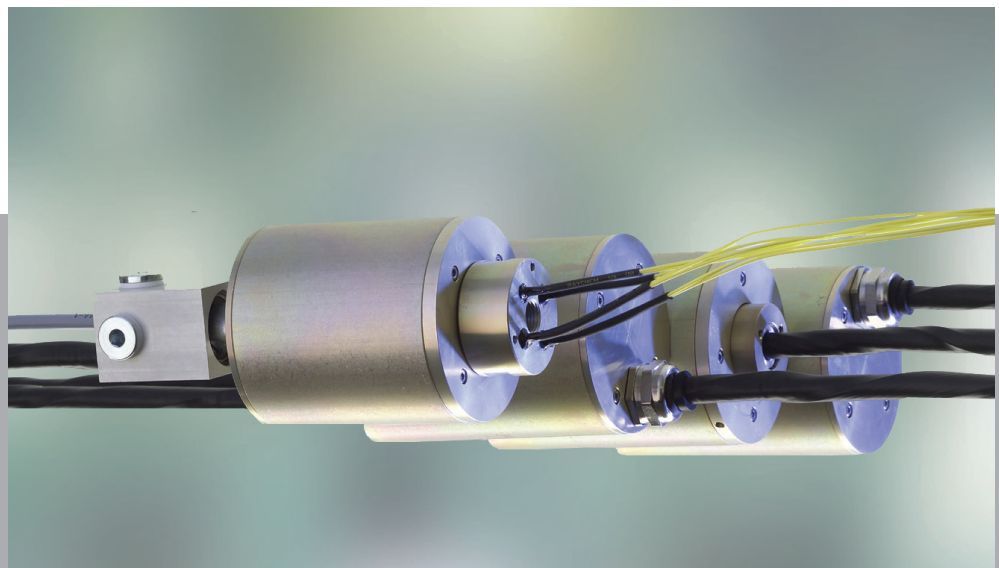
### **Solid silver slip rings for high rotational speeds**

The slip ring series S752, S753 are designed for high rotational speeds, long life and excellent transmission characteristics. These systems are found in various applications for the transmission of electrical power, electrical signals, data susceptible to interference, or BUS signals even at very high rotational speeds.

### **A complete standard series with variations and optional features**

These self-contained slip ring systems with 4 to 24 electrical rings exactly match the requirements of many demanding applications, offering two different standard contact configurations, different protection classes and also a version with free inner bore.

To meet specific requirements, modified designs such as higher rated current and voltage as well as customized cables or connectors are available. Optional features such as rotor mounting flange or integrated pneumatic rotary joint can be ordered.

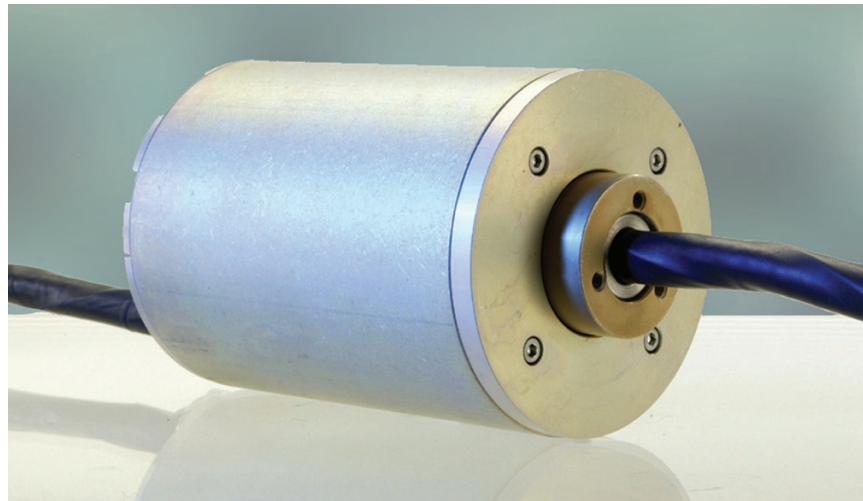


# Series S752

The slip ring series S752 is designed for the transmission of data susceptible to interference, signals and electrical power. Solid silver rings with special silver graphite brushes allow for high rotational speeds and long life. Transmission of strain gauge signals and long life time requirements are perfectly matched by this series.



Silver graphite technology



Series S752: 12-way slip ring IP 50 (example)

## Specification

Series	S752	S753
Max. rotational speed <sup>1</sup>	500/700 rotations/min	
Max. life time	< 200 Mio rotations	< 120 Mio rotations
Maintenance interval	< 50 Mio rotations	< 30 Mio rotations
Operating temperature	-20°C to +70°C	
Operating current <sup>2</sup>	8 A	
Operating voltage <sup>2</sup>	125-250 V <sup>3</sup>	
Electrical noise	< 30 mΩ	< 2 mΩ
Contact resistance <sup>4</sup>	< 5 mΩ	< 1 mΩ
Insulation resistance	up to 1000 MΩ at 500 VDC	

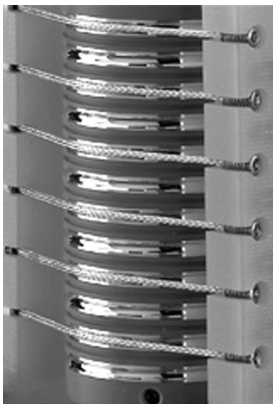
Version	IP 40 Length L (mm)	IP 50 Length L (mm)	IP 54 Length L (mm)
4 rings	85		98
8 rings	109		122
12 rings	133		146
16 rings	157		170
20 rings	181		194
24 rings	205		218
>24 rings	on demand		
Free bore	G 1/4"	no	no

- <sup>1</sup> 500 rotations/min for version IP 54,  
700 rotations/min for versions IP 50 and IP 40
- <sup>2</sup> higher rated current and voltage on demand
- <sup>3</sup> PE obligatory for circuits > 50 VAC or > 120 VDC
- <sup>4</sup> without cable

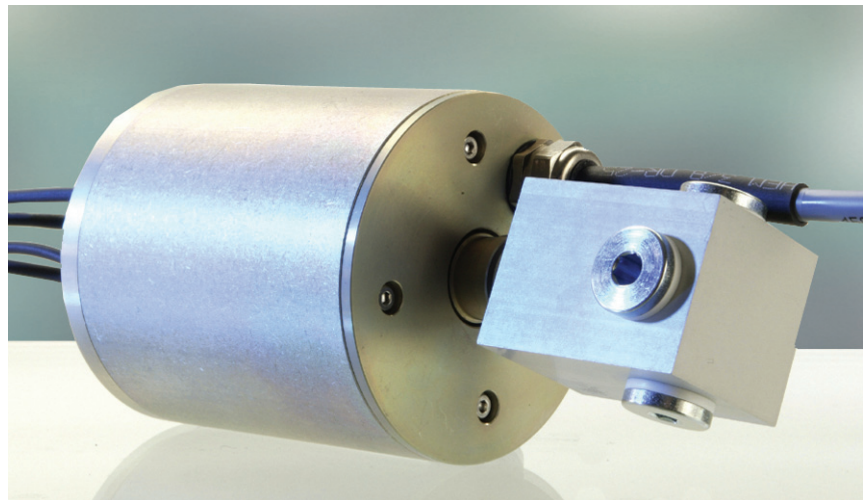
For prices and more detailed information please contact our sales department.

# Series S753

The S753 slip ring series excels in having best signal and data transmission characteristics. SCHLEIFRING's silver braid technology guarantees extremely low electrical noise and contact resistance as well as highest contact reliability. This is the ideal technology for transmission of measured values of thermocouples and for use with extreme vibration.



Silver braid technology



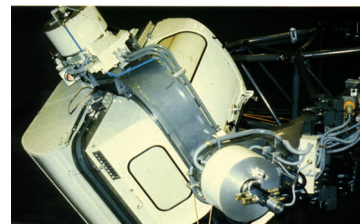
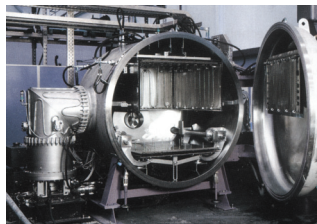
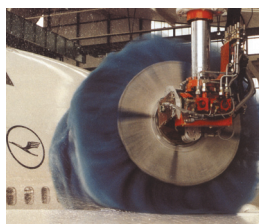
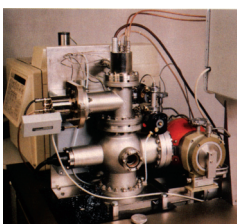
Series S753: 8-way slip ring IP 40 with pneumatic rotary joint (example)

## Options

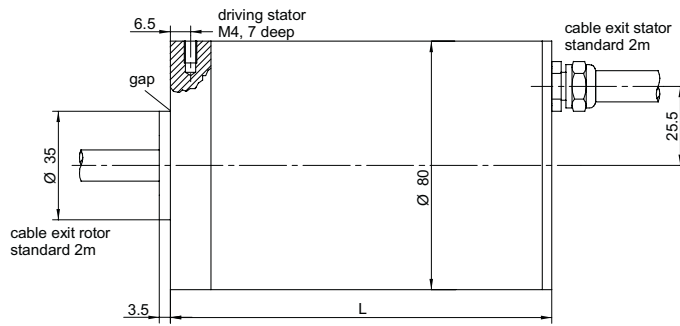
- rotor mounting flange
- 1-channel pneumatic rotary joint G 1/4"
- 2- to 4-channel media rotary joint
- higher max. rotational speed
- higher rated current or voltage
- special cables

## Typical applications

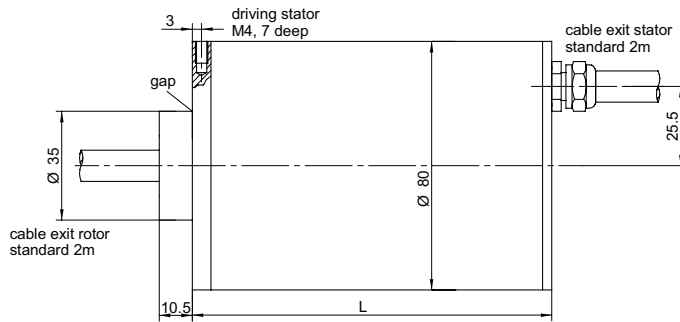
The slip rings S752 and S753 are mainly used in speciality machines, centrifuges and winding machines, special furnaces, air plane washing bays, medical applications and above all in measuring and test setups as well as in testing systems.



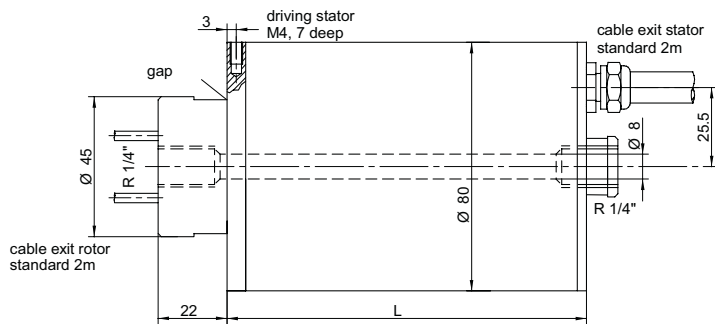
**Version IP 54**  
no free bore



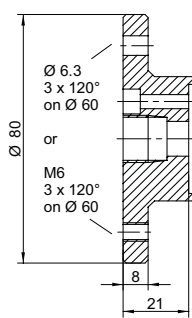
**Version IP 50**  
no free bore



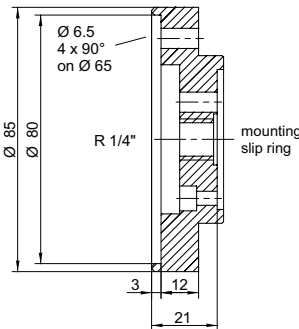
**Version IP 40**  
free bore



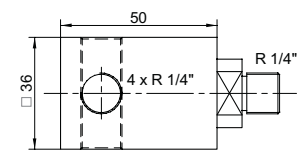
**Optional features**



rotor flange  
(version IP 50 and IP 54)



rotor flange  
(version IP 40)



pneumatic rotary joint  
(version IP 40)

## Series S

**SCHLEIFRING und APPARATEBAU GmbH**  
Am Hardtanger 10  
82256 Fürstenfeldbruck  
Germany  
Phone: +49 8141 403 0  
Fax: +49 8141 403 45  
Email: sales@schleifring.de  
URL: www.schleifring.de

**SCHLEIFRING Systems Ltd.**  
Abex Road  
Newbury Berks. RG14 5EY  
Great Britain  
Phone: +44 1635 36363  
Fax: +44 1635 38334  
Email: sales@schleifring.co.uk

**SCHLEIFRING Medical Systems, LLC**  
1420 Crispin Drive  
Elgin Illinois 60123-5533  
USA  
Phone: +1 847 741 9600  
Fax: +1 847 741 0022  
Email: sales-med@schleifring.com

**SCHLEIFRING North America, LLC**  
1420 Crispin Drive  
Elgin Illinois 60123-5533  
USA  
Phone: +1 847 741 9600 Ext. 202  
Fax: +1 847 741 0022  
Email: sales-ind@schleifring.com