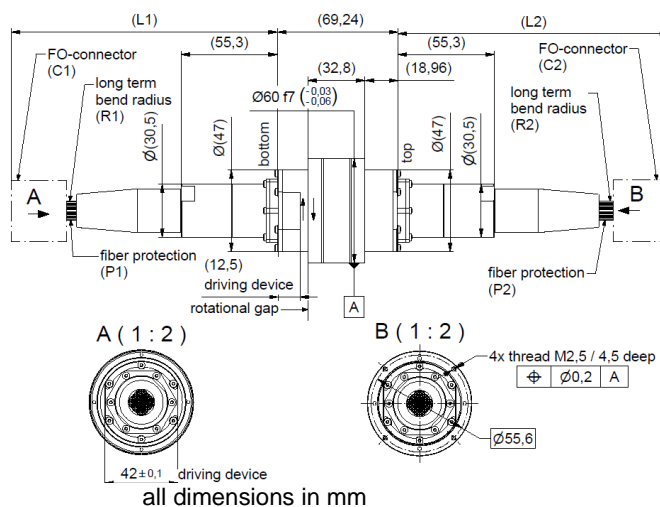


## Rotary Joint | BN 549763C1090



image similar



### Fiber optic characteristics

<b>Channels</b>	<b>109 CH</b>	
Channel designation	1 to 109	
Fiber type	Singlemode E9 / 125 µm	
Side	Rotor	Stator
FO connector (C1 / C2)	LC/APC	LC/APC
Fiber protection (P1 / P2)	600 µm buffer	600 µm buffer
Fiber length (L1 / L2)	1500 ±100 mm	1500 ±100 mm
Long term bending radius, min. (R)	30 mm	30 mm
Wavelength	1310 nm / 1550 nm (measured at 1310 nm)	
Average power rating, max.	200 mW / 23 dBm	
Return Loss, min.	40 dB	
Insertion loss, max.	CH 01-64: 4.0 dB CH 65-94: 5.0 dB CH 95-109: 6.0 dB	
Insertion loss variation with rotation, max.	1.5 dB	
Cross talk, min	50 dB (between all channels)	

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## Rotary Joint | BN 549763C1090

### Mechanical characteristics

Rotating speed, max.	150 rpm
Life, min.	200 x 10 <sup>6</sup> revolutions
Torque (room temperature), max.	0.15 Nm @ rotation
Interface loads, max.	±0.4 Nm bending moment
Case material	stainless steel and copper alloy, corrosion resistant
Case surface finish	no finish
IP protection level	IP50 per EN 60529 (all interfaces connected with appropriate gaskets)
Weight, approx.	1.5 kg
Marking	adhesive label (SPINNER logo)

### Environmental conditions

<b>Operation</b>	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)
<b>Storage</b>	
Ambient temperature range	-40 °C to +85 °C
Relative humidity, max.	95% (non-condensing)

### Applicable documents

Technical information	“Rotary Joints – Glossary”, technical document TD-00021, Spinner GmbH
Application note	“Handling of Optical Fibers and Fiber Optical Rotary Joints”, technical document TD-00283, Spinner GmbH

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