

WIND TURBINE SLIP RING (WP7286)

High-reliability, no maintenance for next generation GE wind turbine



WP7286 is the next generation pitch slip ring for the GE wind turbine. This design utilizes the same high-reliability, no maintenance, fiber brush technology as our AC7008 pitch slip ring family -- which has been a solid performer and allows GE wind assets to operate with higher productivity and a lower cost of operation by eliminating costly downtime related to pitch slip ring issues and required maintenance. The WP7286 has been further enhanced to improve installation and performance.

- Redesigned to make the slip ring smaller, reducing size
- 23.13 kg (51 lb), easier to lift, 9.07 kg (20 lb) less than AC7008 slip ring
- A convenient handle makes the unit easier to handle
- Improved sealing to keep the slip ring area cleaner, improving life and operation

Direct Slip Ring Replacement

Moog's series of WP7286 pitch slip rings for the *GE turbine is a direct replacement product line. The design bolts to the existing gearbox and provides numbered terminal blocks to match the turbine wiring harness.

Features:

- No maintenance required
- No lubrication required
- Direct bolt-in replacement
- Handle for easier lift and install
- IP65 sealed enclosure
- Heater for cold weather installations
- Adjustable terminal block locations in rotor junction box for flexibility with umbilical cable length



*GE Vernova (www.governova.com) is one of the world's leading suppliers of power generation and energy delivery technologies.

ADVANTAGES

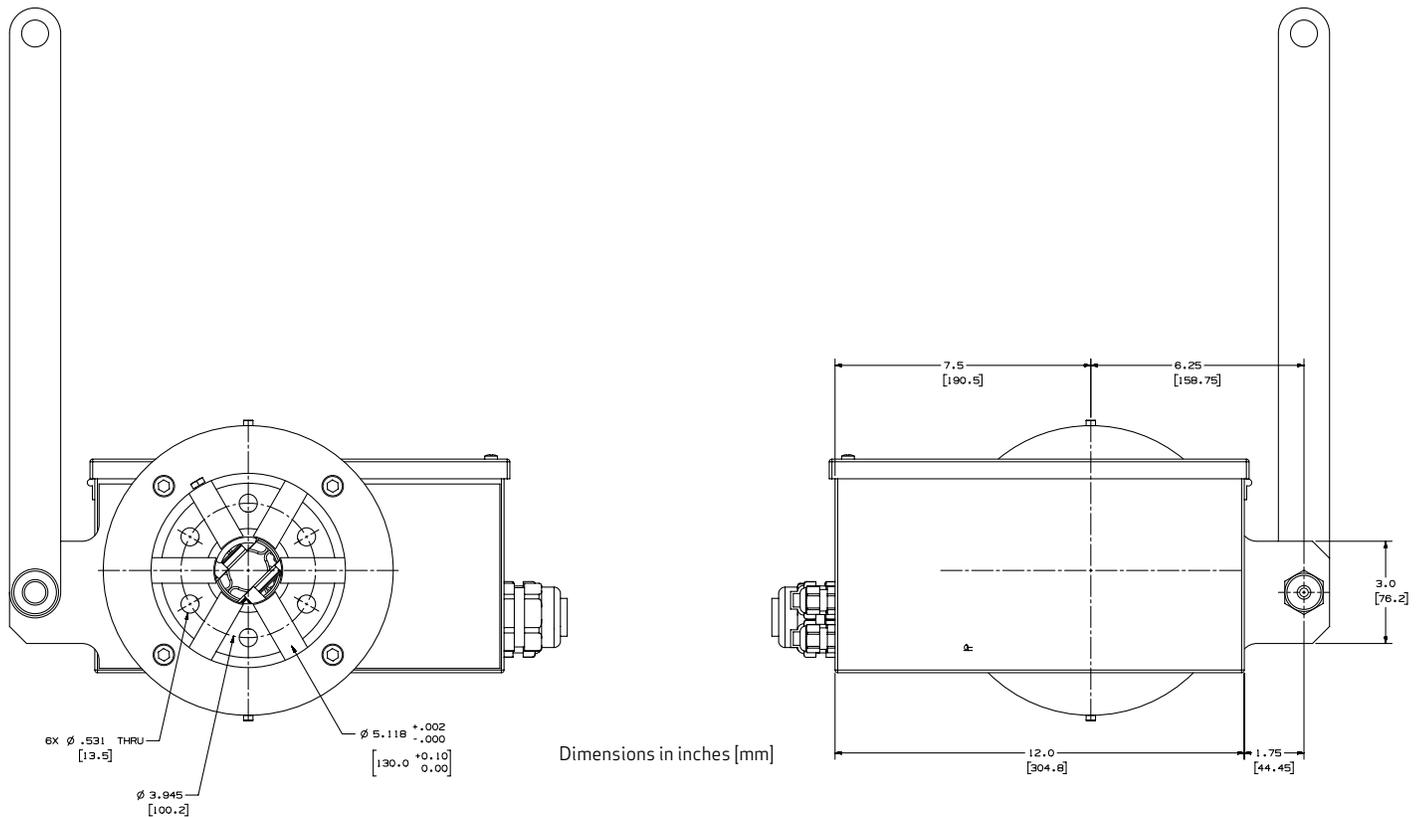
- Maintenance free for 100 million revolutions
- Minimal wear debris generation
- Fiber brush technology used
- No lubrication required
- Wide operating temperature
- Lower life cycle cost
- High reliability

SPECIFICATIONS

TECHNICAL DATA

Part number	Weight	Brush/Ring material	Brush/Ring life	Lubrication	Operating temperature	Heating element	Sealing
WP7286-2N GE turbine 65 A/400 V	23.13 kg (51 lb)	Silver	>100 million revolutions	None required	-40 to +80°C (-104 to +176°F)	13 watt, 240 volts standard	IP65 (slip ring box enclosure)
WP7286-ESS GE turbine 30 A/600 V EES Control	23.13 kg (51 lb)	Silver	>100 million revolutions	None required	-40 to +80°C (-104 to +176°F)	13 watt, 240 volts standard	IP65 (slip ring box enclosure)
WP7286-4N GE turbine 100 A/400 V 1.X/2.X	25.40 kg (56 lb)	Silver	>100 million revolutions	None required	-40 to +80°C (-104 to +176°F)	13 watt, 240 volts standard	IP65 (slip ring box enclosure)
WP7286-5N* GE turbine 100 A/400 V 2.X/3.X	26.80 kg (59 lb)	Silver	>100 million revolutions	None required	-40 to +80°C (-104 to +176°F)	13 watt, 240 volts standard	IP65 (slip ring box enclosure)

*With fiber optic rotary joint interface



Moog has offices around the world. For more information or the office nearest you, contact us online. rotarysolutions@moog.com

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WP7286 Slip Ring Technical Data Sheet
MS3312L, rev. 4 060425

For product information, visit www.moog.com

This technical data is based on current available information and is subject to change at any time. Specifications for specific systems or applications may vary.

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