

# 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 Energy ([www.ge.com/energy](http://www.ge.com/energy)) is one of the world's leading suppliers of power generation and energy delivery technologies.

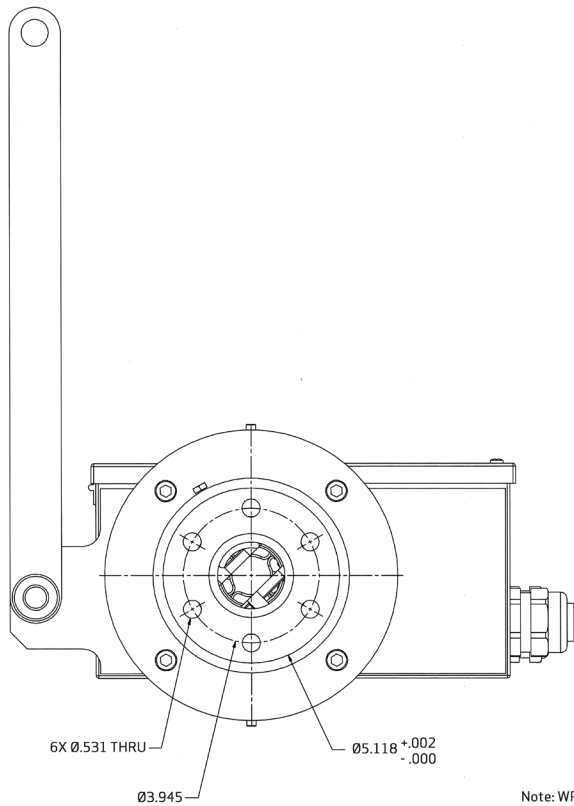
## ADVANTAGES

- 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

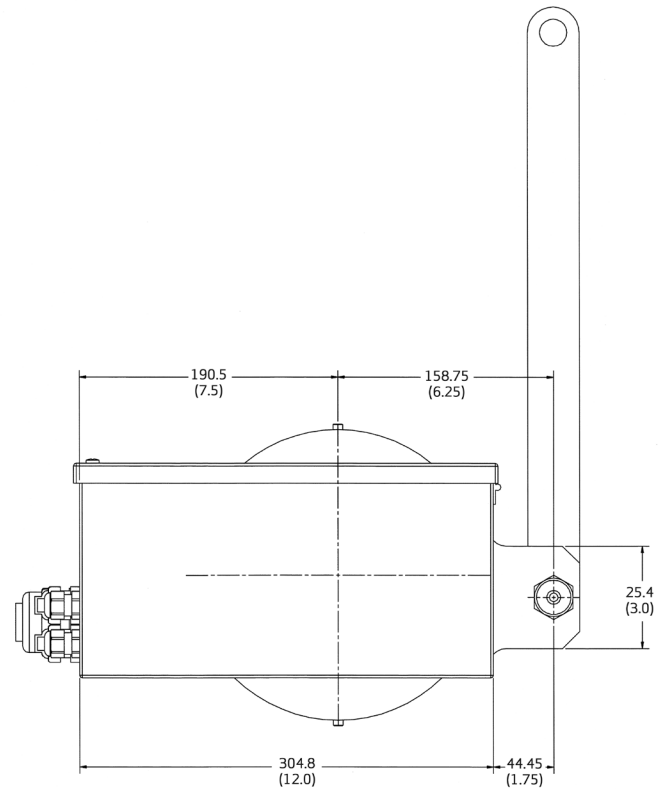
# SPECIFICATIONS

## TECHNICAL DATA

Part number	Weight	Brush/Ring material	Brush/Ring life	Lubrication	Operating temperature	Heating element	Sealing
<b>WP7286-2N</b> 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)
<b>WP7286-ESS</b> 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)
<b>WP7286-4N</b> 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)



Note: WP7286-2N and WP7286-ESS shown



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WP7286 Slip Ring Technical Data Sheet  
MS3312L, rev. 1 03/19

For product information, visit  
[www.moog.com](http://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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