Improved Design for GE Yaw System

Wind Solutions is proud to offer patent pending technology to enhance the GE 1.X yaw braking system. This new and improved design has substantial changes that will improve the installation, maintenance and operation of the entire yaw system. These components were designed and are manufactured with pride in the USA.

Current GE Design

Wind Solutions New & Improved Design - Patents Pending -

ABOUT WIND SOLUTIONS
Wind Solutions LLC is the industry leader in fabricated aftermarket parts for utility scale wind turbines. Wind Solutions has engineering and manufacturing capabilities allowing for efficient production and delivery of quality parts. A wide array of parts are stocked for immediate delivery.
Improved Design for GE Yaw System

Wind Solutions New & Improved Design (Patents Pending)

Threaded Bushing Design
- No hydraulic torquing needed
  (~90% torque reduction during installation)
- Reduces rotation & wear of thrust pin
- Improves installation time & ergonomics
- Increases preload accuracy
- Improves system reliability
- Prevents premature wear of stem, piston and pad.

Stem
Through hardened for increased durability and black oxide coated for increased corrosion resistance over OEM design

Stem Collar
Through hardened and supports stem to prevent rocking, reducing premature stem wear

Bearing Pad Design
- Sintered bronze pads minimize cracking, splitting and degradation common with OEM pads.
- Optional lubrication groove ensures consistent lubrication between maintenance intervals, prolongs life, reduces noise and vibration.

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