



Siemens Milltronics
Process Instruments Inc.

SIEMENS

RBSS Design Improvements for Best Reliability

October 1, 2004

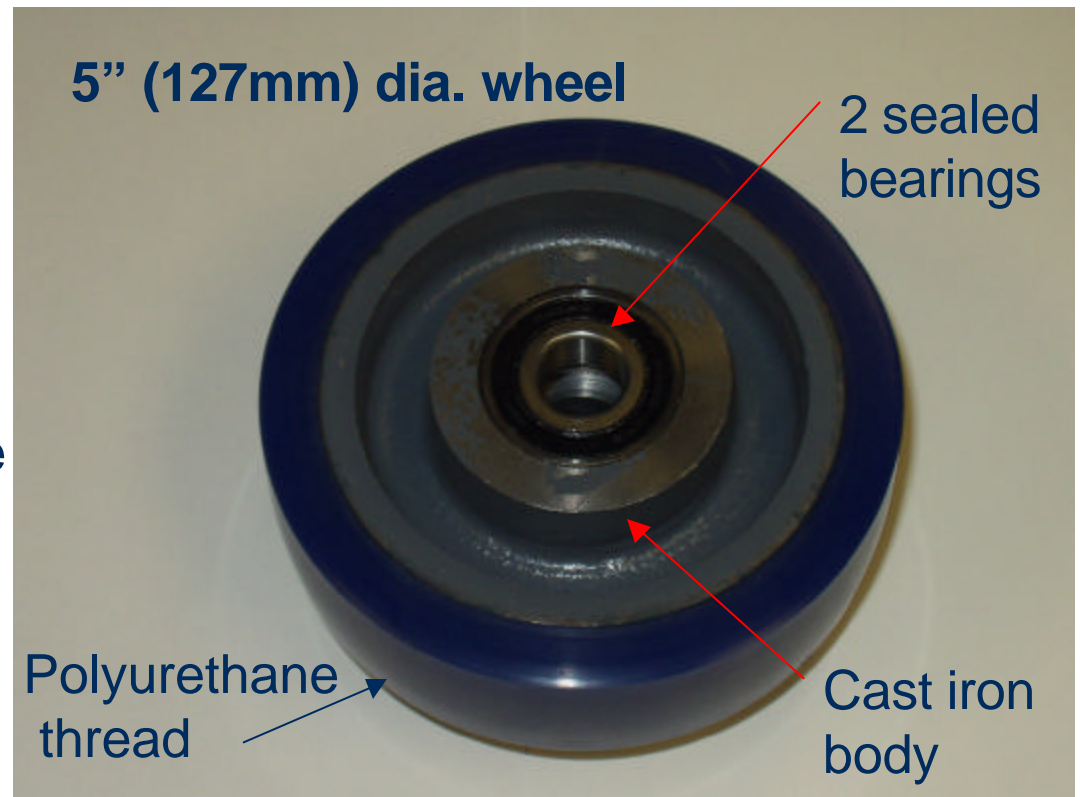


Siemens Milltronics
Process Instruments Inc.

SIEMENS

RBSS Re-design

- The RBSS has been plagued with problems in the field due to the quality of the belt driven wheel. We are now switching to a cast iron wheel with a resilient polyurethane tread and sealed bearings. This is a great improvement over the current (red) wheel.





Siemens Milltronics
Process Instruments Inc.

SIEMENS

RBSS Re-design

- An adaptor sleeve is pressed into the bearing position on one side of the wheel and a new version of the 60 toothed gear is pressed onto the adaptor. The sealed bearing is then pressed into the gear. This creates a solid single wheel/gear unit with 2 sealed bearings.



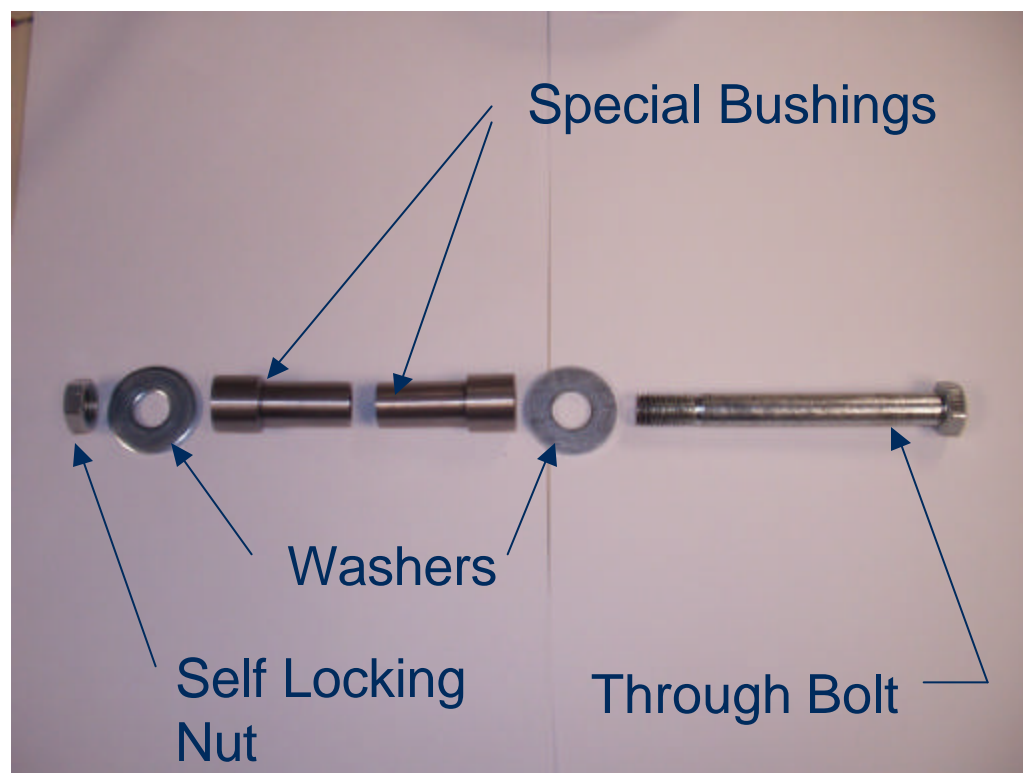


Siemens Milltronics
Process Instruments Inc.

SIEMENS

RBSS Re-design

- The pictured hardware is applied in mounting the wheel/gear assembly to the body of the RBSS



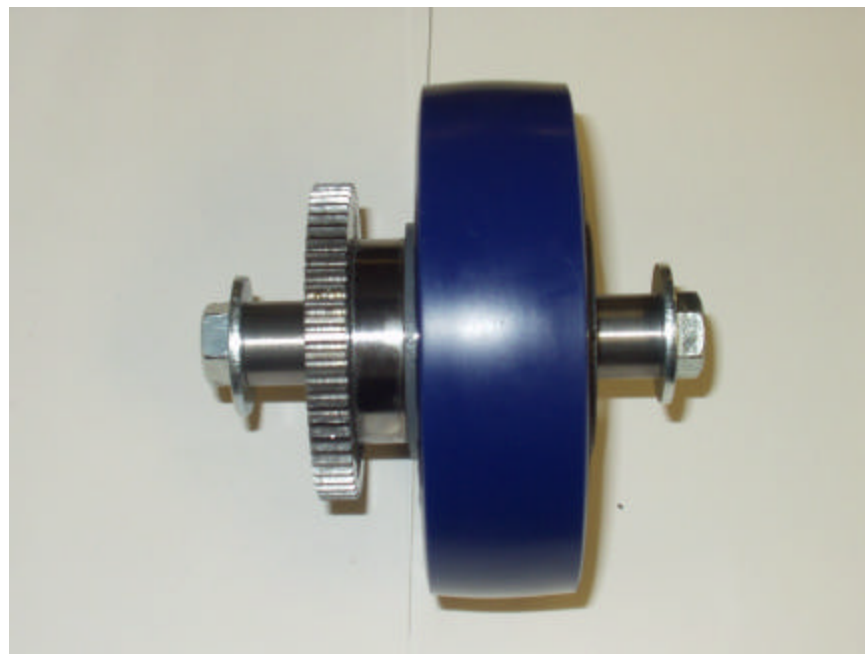


Siemens Milltronics
Process Instruments Inc.

SIEMENS

RBSS Re-design

- Assembled without the RBSS body, it would look like this.
- The assembly shown can be supplied to retrofit existing center wheel design RBSS units. (ones with red wheels)





Siemens Milltronics
Process Instruments Inc.

SIEMENS

RBSS Re-design

- Combined with the RBSS body, the final assembly looks like this.
 - The wheel is captive and solidly secured in place. It is always free to rotate on the sealed bearings.
 - The assembly, by design, is protected from over tightening.
 - We now have a very solid, heavy duty design that will provide the customer with years of operation

