

# SealMaster® Gold Mounted Ball Bearing

Most mounted bearings operate in environments that challenge their sealing and lubrication ability. Sealmaster Gold ball bearings have a long-standing reputation for increasing application uptime due to a host of unique and patented features that contribute to better sealing performance and improved lubrication.



## INTEGRATED SEALING AND LUBRICATION SYSTEM

Unlike competing brand bearings that feature a sampling of disparate features, Sealmaster bearings operate as part of a unique system with features that work together to retain grease and help lock out contamination. By engineering the industry's widest outer race, Regal Rexnord has laid the groundwork for the rest of the Gold ball bearing features. The wide outer race accommodates a heavy duty, felt labyrinth seal which retains grease and acts as a filter to help exclude foreign materials. The specially constructed seal results in less drag and reduced heat compared to common rubber contact seals. In addition, the wide race allows space for the unique land riding metal ball retainer, allowing for 360° grease circulation around the rolling elements resulting in better retained and utilized lubrication. The larger width of the Gold bearing outer race also allows room for the dimple and lock pin to help stabilize the insert within the housing and keep a direct line of lubrication flowing directly from the grease fitting into the bearing cavity.

## FEATURES

- Rugged, cast iron housing absorbs shock loads and distributes force
- 52100 bearing quality steel on inner and outer races resists shock loading and carries high metal fatigue life ratings for increased reliability
- Black oxide finish on outer and inner races aids corrosion resistance
- Zone hardened inner race provides exceptional control of setscrew holding power – ground and honed raceways provide long life, quiet operation
- Extra wide inner race for greater surface contact with the shaft for stability and wide load distribution
- Diamond faceted, precision ground setscrews at 120° provide superior shaft holding power with less race distortion
- Permanent metal nameplate with unit number and shaft size for easy identification



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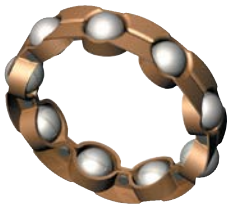
## INDUSTRY'S WIDEST OUTER RACE

Provides significant surface area to absorb shock loads – also creates large, internal grease chamber to hold extra grease and extend bearing life.



## FELT LABYRINTH SEAL

Includes a protective metal flinger that directs contamination away from sealing surfaces. The felt design provides a tight labyrinth seal that retains grease and acts as a filter to help exclude foreign materials. This design results in less drag and reduced heat compared to rubber contact seals. Alternate seals are available.



## UNIQUE LAND RIDING METAL BALL RETAINER

Minimizes friction and provides maximum grease capacity and circulation. Retainer is designed to “float” on the ground extension (or lands) of the outer ring while spacing the balls precisely for even load distribution. This minimizes wear on both balls and retainer, while maximizing stability, especially important in applications involving vibration, shock loading or high operating speeds.



## EXCLUSIVE LOCKING PIN AND DIMPLE SYSTEM

Prevents outer race rotation, allows a full  $\pm 2^\circ$  misalignment and allows for direct lubrication flow into the bearing chamber. Unique to Sealmaster Gold bearings.

# SEALMASTER™

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