

The ISF® Process: The Bearing Surface Finish

Why the ISF Surface?

Bearings are the backbone of any drive or rolling system. These parts can experience high operating temperatures, high/low speeds, and severe loads. REM's Isotropic SuperFINISH Process (ISF®) reduces friction, removes protruding surface asperities, and increases the bearing load surface. This finishing results in extended component life, increased system efficiency and power density. The improved micro-texture created with the REM Isotropic SuperFINISH Process enhances oil retention and does not alter metallurgy. In certain applications, the Isotropic SuperFINISH Process is used to replace honing on large bearing components.



Industries That Can Benefit from a Bearing Surface Finish:

- Aerospace
- Automotive & Recreational
- Industrial Machine
- Motorsports
- Off-Highway
- Power Generation

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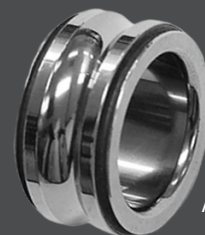
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Part Performance Benefits:

- Increase Fuel Efficiency
- Increase Bearing Life
- No Run-In Required
- Eliminate Bearing Metal Debris
- Reduce Failure Due to Micropitting, Spalling, and Scuffing
- Reduce Lubrication Requirements & Cost
- Lower Running Torque
- Reduce Operating Temperatures
- Reduce Noise



Before



After

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REM QMS is certified to ISO 9001:2015 and AS9100:2016 Rev D

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