



Tribocoat WS

BEARINGS

Thin coating composed of a layered structure with strong covalent bonds within the layers and weak van der Waals forces between them, allows easy shearing, contributing to its excellent lubricating properties

Features

- ✓ Thin coating, no dimensional alteration required
- ✓ Low friction and high wear resistance
- ✓ High load carrying capacity, good for shock load application
- ✓ Thermally stable over a wide range of temperature
- ✓ ROHS compliant

Benefits

- ✓ Low friction torque during running in
- ✓ Thin coating
- ✓ Good for high loads and shock loads
- ✓ Environment friendly coating process

Application

- ✓ Automotive
- ✓ Industrial
- ✓ Railways



Ball & Roller Bearings



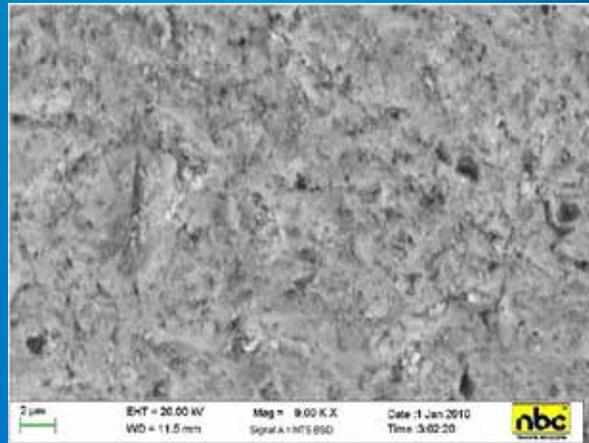
Specifications

- ✓ Coating thickness < 1 microns
- ✓ Appearance – grey-silver
- ✓ Low sliding friction
- ✓ Can be applied to ball and roller bearings

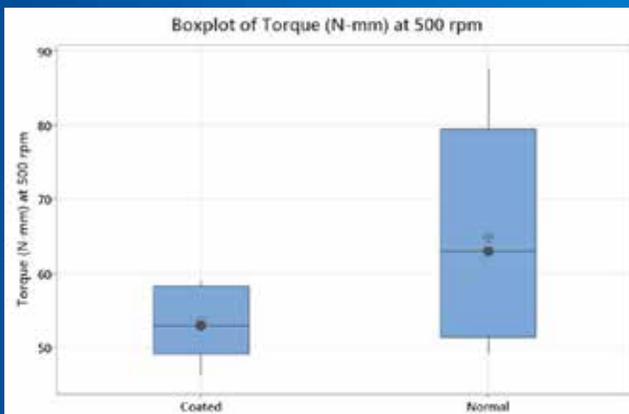
Technical Data



Coated Inner , Outer ring and Rolling elements



Coating particles with finer nano-flake morphology result in lower friction torque



Running torque comparison between coated and uncoated bearing at boundary lubrication condition (10-20% reduction in friction torque)

