



Tribocoat MS

Bearings

Anti-friction coating on rolling element to avoid metal to metal contact in dry and low lambda lubricated condition.

Features

- ✓ Good lubrication
- ✓ Low friction
- ✓ High load carrying capacity
- ✓ High heat resistance
- ✓ Resistance to oil, grease, solvents

Benefits

- ✓ Emergency lubrication function
- ✓ Running in protection
- ✓ High service temperature
- ✓ Dimensional accuracy
- ✓ Low coating temperature
- ✓ Bearing life improvement
- ✓ Reduction in bearing noise level

Application

- ✓ Boundary lubrication conditions
- ✓ Applications where bearings experience starved lubrication condition
- ✓ Dry lubrication
- ✓ Industrial motors
- ✓ Industrial heavy-duty application



Motor Bearings



Specifications

- ✓ Coating thickness 1-15 μm
- ✓ High adhesion strength (0 Garde ISO 2409)
- ✓ High load carrying capacity
- ✓ Coefficient of friction <0.1

Technical Data

Specification for Nano SolidLUBE Coating	
Coating process	Hydrothermal
Coating thickness	1-3 μm
Dry COF (Ball on disc ASTM G99)	Approx. 50 % lower than steel to steel contact
Bearing life	Higher life as compared to standard bearing in dry lubrication and light load conditions



MoS2 coating on bearing balls



6206 bearing with MoS2 coated bearing balls

