



# Insuohm

## Bearings

Electrical insulation coating to prevent electrical pitting in the bearings and hence improved bearing life in motor bearings.

### Features

- ✓ Improves bearing life in electrical current passage
- ✓ Optimized coating with plasma spray process
- ✓ High insulation resistance
- ✓ High dimensional stability after coating
- ✓ Easy to mount

### Benefits

- ✓ Higher operational reliability
- ✓ Increased machine uptime
- ✓ Reduced overall operating costs
- ✓ Improves lubricant life
- ✓ Insulation over wide range of operating temperature

### Application

- ✓ Traction motor bearings (Railways)
- ✓ Industrial motor bearings
- ✓ High capacity EV motor bearings

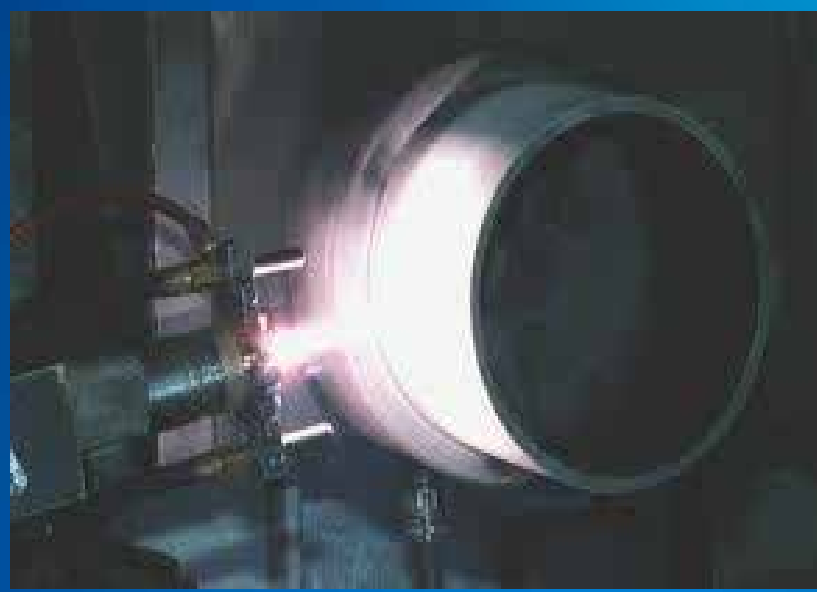
## Wheel Bearings



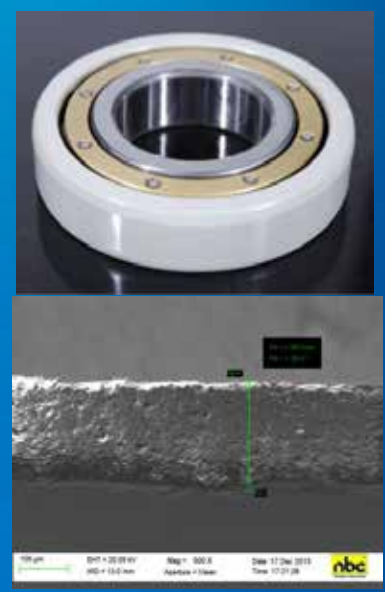
## Specifications

- ✓ Optimized Coating thickness to suit insulation requirement
- ✓ Insulation resistance of Min. 600 MΩ when tested at 2500 VDC and temperature 25±5°C, <60% Relative humidity
- ✓ High bond strength
- ✓ Low porosity (<4%)
- ✓ Can be applied to ball and roller bearings

## Technical Data



Plasma spray based coating process



Coating thickness on the outer ring

