

# Anti-corrosion coating for hub bearing units

A modular corrosion protection solution for hub bearing units that makes the disassembly process easier, prolongs service life and improves vehicle appearance.

Car manufacturers requested a solution to protect the wheel bearings against corrosion. The anti-corrosion coating for hub bearing units developed by SKF makes the disassembly of the bearing from the knuckle and rim easier. It improves the esthetics of the bearing during vehicle life and prevents rusty surfaces from coming into contact with the seals, thus maintaining their effectiveness.

The anti-corrosion coating has been designed to exceed 400 hours in salt-spray test (DIN EN ISO 9227 NSS) without jeopardizing the geometrical tolerances.

## Applications

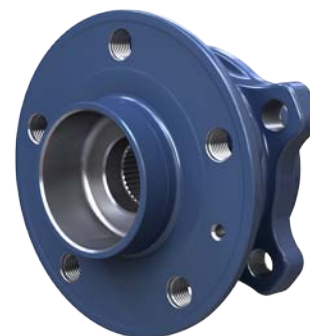
This solution can be applied to all flanged hub bearing units of second and third generation. It is suitable for both new designs and as retrofit.

## Features

- Scalable layer thickness according to customer requirements
- Low thickness tolerance
- Maximum working temperature above 200 °C
- UV paint, no organic solvent

## The anti-corrosion hub bearing unit offers these benefits to customers

- Strong resistance against corrosive attacks
- Improved bearing appearance during vehicle life
- Easier disassembly operations in workshop
- Lower risk to damage the bearing seals with rust
- Low run-out on the outboard flange
- High flexibility in deciding which area of the bearing should be protected
- Possibility to have different paint colours



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