



Effective corrosion protection: NKE special coating SQ171E

- > thinner coating
- > prolonged corrosion resistance

More possibilities!

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B E A R I N G S

The new generation: NKE special coating SQ171E

- > thinner coating
- > prolonged corrosion resistance

For bearings and parts directly exposed to humid or corrosive environments, NKE special coating SQ171E offers a simple and cost effective protection against corrosion. With the improved version SQ171E, the coating layer is now much thinner and provides longer resistance against corrosion.*



Coated (front) shows no noticeable traces of corrosion after salt spray test. The uncoated control part (back) is rusty.

Technical data of SQ171E coating

- > Composition: zinc alloy
- > Coating thickness: 2 – 4 µm
- > 96 hours lifetime – neither corrosion of coating (white rust) nor corrosion of base material (red rust) – with 4 µm coating thickness, according to DIN 50979:2008
- > Test method: neutral salt spray test according to DIN EN ISO 9227 NSS
- > Protection against water, condensation and weakly acidic/alkaline cleaning agents. Compatibility with all media should be checked before application.
- > Additional option: with seal (silicate-based) for even greater protection
- > Machined surfaces (e.g. raceways) also coated

* Compared with NKE special coating SQ171

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Advantages of SQ171E coating

- > Cost effective anti-corrosion protection of standard or special bearings as well as components
- > Significantly longer service life compared to uncoated parts
- > Thin coating (2-4 µm) ensures interchangeability of coated and uncoated parts
- > Contains no Cr(VI) – conforms to the RoHS Directive

	Uncoated	Stainless steel	SQ171E coating
Corrosion protection	-	+++	+++++
Costs	€	€€€€€	€€

Comparison of different corrosion protection methods

Typical applications for SQ171E coating

For all parts exposed to humid or corrosive environments, e.g.

- > Materials handling (pulley bearings for cranes)
- > Agricultural machinery
- > Chemical and pharmaceutical industries
- > Compressors, pumps

