



## **NKE special coating SQ171**

- > Cost effective protection against corrosion
- > RoHS compliant: Cr(VI)-free

*More possibilities!*

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B E A R I N G S

# NKE special coating SQ171

- > Cost effective protection against corrosion
- > RoHS compliant, Cr(VI)-free

For bearings and metal parts directly exposed to humid or corrosive environments, NKE special coating SQ171 offers a simple and cost effective protection against corrosion.



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

## Technical data of SQ171 coating

- > Coating process: Cr(III) passivation
- > Coating thickness: ~ 8 µm
- > Machined surfaces (e.g. raceways) not coated
- > Test method: neutral salt spray test according to DIN 50021
- > Protection against water, condensation and weakly acidic/alkaline cleaning agents. Compatibility with all media should be checked before application.

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## Advantages of SQ171 coating

- > Cost effective anti-corrosion protection of standard or special bearings
- > Significantly longer service life compared to uncoated parts
- > Thin coating (~ 8 µm) ensures interchangeability of coated and uncoated parts
- > Contains no Cr(VI) – conforms to the RoHS Directive

	Uncoated	Stainless steel	SQ171 coating
Corrosion protection	+	+++++	+++
Cost	€	€€€€€	€€

Comparison of different anti-corrosion methods

## Typical applications for SQ171 coating:

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

- > Materials handling
- > Food processing industry
- > Agricultural machinery
- > Chemical and pharmaceutical industries
- > Etc.

