





NKE special coating SQ171

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





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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.

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.



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