Effective corrosion protection: NKE special coating SQ171E

> thinner coating
> prolonged corrosion resistance
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.

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

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<th>Uncoated</th>
<th>Stainless</th>
<th>SQ171E coating</th>
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<td>Corrosion protection</td>
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<td>Costs</td>
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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

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

Comparison of different corrosion protection methods

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