

CORROPROOF

Special coating against corrosion



HFB – Technology in motion.



CORROPROOF – Cost-effective protection against corrosion

In most cases, anti-friction bearings, incl. fixing elements and machine parts with fine processed functional surfaces, are installed inside a machine or housing and therefore well-protected against direct environmental influences as well as corrosion.

Anti-friction bearings and housings directly and unprotected exposed to weather conditions are subject to fast corrosion.

Humidity, splashing or condensed water as well as corrosive media like e.g. salt water, result in the formation of rust. Such can severely damage and impair machine parts – and even result in the loss of functionality.

Our CORROPROOF Special Coating offers easy and effective protection against corrosion for such applications.

Advantages of the CORROPROOF Coating

- Economic corrosion protection
- Reasonably priced alternative compared with stainless steels and bearings
- Significantly increased period of use compared with uncoated parts
- Complete replaceability of coated and uncoated parts
- Constructional changes are not necessary
- Retrofitting is not necessary

Technical properties of the CORROPROOF Coating

- The coatings are free of pollutant hexavalent chromium (CrVI) and comply with the EU RoHS Directive (Restriction of certain Hazardous Substances)
- Galvanized and passivated [Cr (III)]
- Silvery-blue iridescent surface
- Coating thickness: 8 µm on average
- Good resistance against condensed water, humidity as well as alkaline and acid detergents
- Test method: neutral salt spray test in accordance with DIN 50021

The special coating for many applications

Delivery program

The complete HFB program is available with CORROPROOF Coating.

Available bearing inserts (Type AV12):

HC 204 – 210 + HC 212

SA 204 – 210 + SA 212

Larger Quantities (500–1,000 pcs.) also can be coated for different bearing inserts on request.

Notes:

To ease assembly we recommend lubrication or greasing of the shaft.

The tolerances of the bearings may deviate from the coating thickness within the limits.

Oxidizing and caustic substances as well as highly saline media may possibly affect the coating. Please contact us regarding the resistance of the CORROPROOF Coating for your individual application.

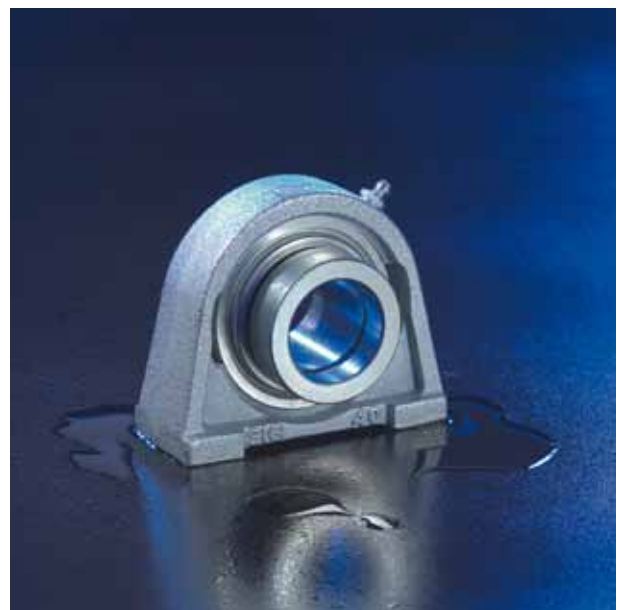
Whenever professional corrosion protection is absolutely necessary, CORROPROOF Coating is used for typical applications:

Field of application

- Material handling and conveyor systems
- Systems in offshore areas
- Food, chemical and pharmaceutical industry
- Agricultural engineering
- Washing systems
- Fan manufacturing
- Cranes and lifting devices



Housing unit affected by corrosion



Housing unit coated with CORROPROOF

Sales companies

HFB

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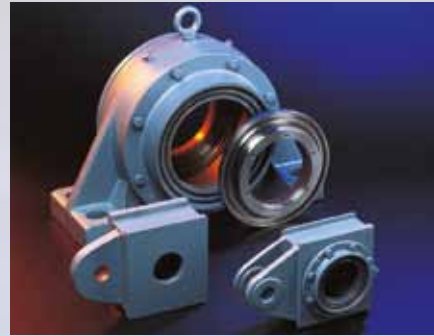
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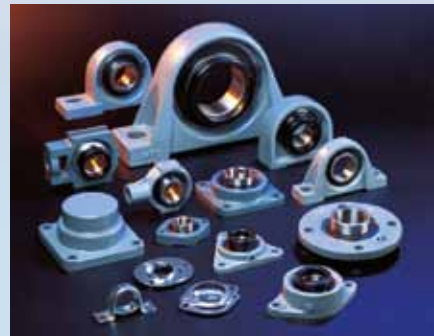
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Extract of HFB's product range



Plummer block and take-up units for conveyor systems of all sizes



Ball bearing housing units for shaft diameters 12-120 mm



Oil and grease lubricated housings for fan and air-conditioning industry



Split plummer block housings made from grey cast iron, ductile iron and cast steel



Grease lubricated plain bearings with bronze bushes



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