

The problem: Corroded hollow shaft on the insert shaft

- Extremely long standstill times
- High maintenance and replacement part costs
- Frequent destruction of the insert shaft

The solution: Optional RS-Coating of the hollow shaft

- Lowwear and corrosion resistant coating
- Reduces fretting corrosion to a minimum
- Removal can be implemented rapidly and without any damage



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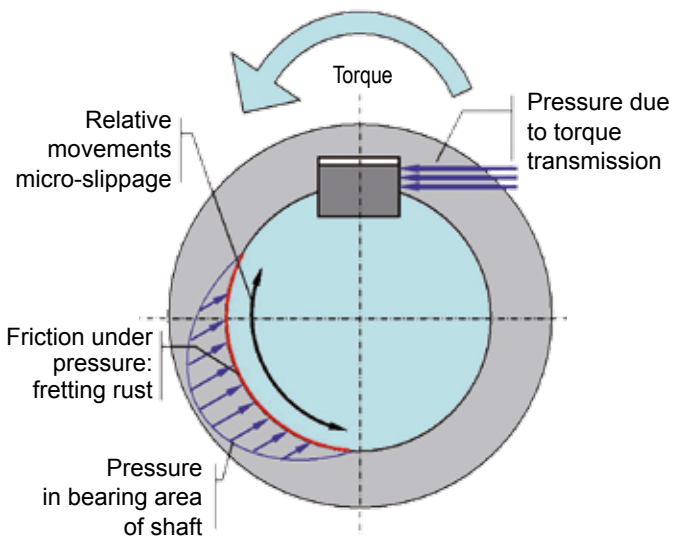
**RS-COATING OF
THE HOLLOW SHAFT**

**RAPID, EASY
REPLACEMENT OF DRIVE**



FASTER REPLACEMENT SHORTER STANDSTILL TIMES

Formation of fretting rust between hollow gear shaft and insert shaft



Fretting rust forms in joints through micro-movements. It is enough for one surface in the joint to contain iron for fretting rust to occur. If these surfaces rub together under pressure and small relative movements occur, then fretting rust is produced in the joints. Fretting rust is therefore also called friction corrosion. It can even occur when the environment is dry or even if no air is present and in stainless steels.

As micro-movement occur even in push-on gears between the hollow gear shaft and the insert shaft with feather key, fretting rust is often produced here. The reversing operations also favour the formation of friction corrosion. In service cases, fretting rust hinders rapid and easy replacement and therefore leads to long standstill times and subsequent higher costs.

The solution is: RS-coating from NORD

NORD has developed a surface treatment for hollow gear shafts that reduces the formation of fretting rust and therefore significantly simplifies removal.

The surface treatment produces an approx. 0.01 mm thick, extremely hard, low-wear and corrosion-resistant layer with optimal bonding properties. This RS coating reduces friction and is highly resistant due to the very high wear resistances.

The minimised friction between the shafts significantly reduces fretting rust formation on the insert shaft and almost completely prevents formation on the hollow shaft.



Use your advantage: Reduce your standstill times to a minimum and save costs!

Headquarters:

Getriebebau NORD GmbH & Co. KG

Getriebebau-Nord-Straße 1
22941 Bargteheide, Deutschland
Fon +49 (0) 4532 / 289-0
Fax +49 (0) 4532 / 289-2253

Member of the NORD DRIVESYSTEMS Group

