

## 1 General information

### 1.1 Service Contact

Please consult our service department for technical information:

**WITTENSTEIN alpha GmbH**

Customer Service

Walter-Wittenstein-Str. 1

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Fax: +49 7931 493-10903

E-Mail: service-alpha@wittenstein.de

### 1.2 Technical modifications

**WITTENSTEIN alpha GmbH** reserves the right of carrying out technical modifications to improve the product.

Modifications or reconstructions of the gearhead may only be carried out with the explicit written authorisation of **WITTENSTEIN alpha**.

### 1.3 Copyright

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## 2 Safety

### 2.1 Intended use

The gearhead is built for industrial applications. Please note that the maximum permitted torques ( $T_{2B}$ ,  $T_{2N}$ ) of corrosion-resistant gearheads are reduced as compared to the standard gearheads:

- generally by 20%
- **only** for gearheads of the MF / MA version **and only** with food-safe grease lubrication by 40%

Should you have any other questions, please contact our customer service department (see 1.1).

### 2.2 Improper use

Any use transgressing the above-named restrictions (especially higher torques and speeds) is not compliant with the regulations, and is thus prohibited.

The operation of the gearhead is prohibited if:

- motor was mounted improperly (e.g. Sealing between adapter plate and motor),
- gearhead was mounted improperly (e.g. Damage of the lacquer layer/the nickel layer),
- the gearhead is excessively dirty,
- it is operated without lubricant or not with food-grade lubricants.

**The manufacturer does not accept liability for damage or injury ensuing from improper handling of the gearhead.**

### 2.3 Symbol description

The following signal words are used in this manual to warn you of hazards:



#### **DANGER**

The signal word "DANGER" warns you about an increased injury risk.



#### **WARNING**

The signal word "WARNING" warns you about a potential injury risk.



#### **CAUTION**

The signal word "CAUTION" warns you about a low injury risk or property damage.



#### **Dangerous for the environment**

The signal word "dangerous for the environment" warns you about contamination hazards for the environment.

## Instruction sheet

### 2.4 Start-up



#### CAUTION

Only a sealed motor mount guarantees the fault-free function of the corrosion resistant gearhead.

Ü Align the geometry of the seal surfaces before mounting the motor to guarantee a sufficient sealing function. Apply bonding agent to avoid leaks.



#### CAUTION

Damaged protective coatings can lead to corrosion.

Ü Check the lacquer layer and the nickel-plated surfaces for damages.

### 2.5 Operation



#### DANGER!

A damaged gearhead can cause accidents and injury.

Ü Never use a gearhead that has been overloaded to due misuse or a machine accident (see chapter 2.2 „Improper use“).

Ü Replace the affected gearhead, even if no external damage is visible.

### 2.6 Lubricants



#### CAUTION

All corrosion resistant gearheads are factory-filled with a permanent, food-grade lubricant.

Ü Do **not** open the housing.

### 2.7 Cleaning



#### CAUTION

The pump effect of a running gearhead can draw cleaning agents into the gearhead.

Ü Clean the gearhead only when it is at standstill.



#### CAUTION

Aggressive cleaning agents can cause corrosion.

Ü Use only conventional cleaning agents which are grease-dissolving, but not aggressive.



#### CAUTION

High-pressured water jets can damage the gearhead seals and thus lead to leakage.

Ü Never aim the water jet directly onto the sealings.

Ü Attach a deflector in front of the sealings if necessary.

### 2.8 Maintenance

Ü Also check the gearhead for corrosion during the standard visual inspections.