

## 1 General information

### 1.1 Service Contact

Please consult our service department for technical information:

**WITTENSTEIN alpha GmbH**

Customer Service

Walter-Wittenstein-Str. 1

D-97999 Igersheim

Tel.: +49 7931 493-12900

Fax: +49 7931 493-10903

E-Mail: [service-alpha@wittenstein.de](mailto: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 gearbox 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 gearbox is designed for use in machines and terotechnology. Please refer to our catalog or our Internet site for the maximum permitted torques and speeds: [www.wittenstein-alpha.de](http://www.wittenstein-alpha.de). 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 gearbox is prohibited if:

- motor or insertion shaft were mounted improperly (e.g. Sealing between adapter plate and motor, sealing between the hollow shaft and the insertion shaft),
- gearbox was mounted improperly (e.g. Damage of the lacquer layer /the nickel layer),
- the gearbox 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 gearbox.**

### 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.

## 2.4 Start-up



### CAUTION

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

- ➔ 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.

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

## 2.5 Operation



### DANGER!

A damaged gearbox can cause accidents and injury.

- ➔ Never use a gearbox that has been overloaded to due misuse or a machine accident (see chapter 2.2 „Improper use“).
- ➔ Replace the affected gearbox, even if no external damage is visible.

## 2.6 Lubricants



### CAUTION

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

- ➔ Do **not** open the housing.

## 2.7 Cleaning



### CAUTION

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

- ➔ Clean the gearbox only when it is at standstill.



### CAUTION

Aggressive cleaning agents can cause corrosion.

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



### CAUTION

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

- ➔ Never aim the water jet directly onto the sealings.
- ➔ Attach a deflector in front of the sealings if necessary.

## 2.8 Maintenance

- ➔ Also check the gearbox for corrosion during the standard visual inspections.