



ATLANTA

Installation, Operation and Maintenance Instruction

BWK 122

4100-001-12.93

| | |
|------------|----|
| Abteilung | TB |
| Änd. Index | |
| Datum | |

Series 50 Standard Bevel Gear Unit

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|-------------|-----|------------|
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| Name | Wes | 27.01.2010 |
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Antriebssysteme

Series 50 Standard Bevel Gear Unit



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CAUTION! The observance of these operation and maintenance instructions is prerequisite for the undisturbed operation and the acceptance of liability for possible defects. Therefore study the operation and maintenance instructions before starting to use the gear unit. Make sure that the operation and maintenance instructions are made accessible to the assembly personnel in legible condition. Observe any national / regional regulations concerning safety and prevention of accidents.



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General

Who should study these instructions?

These instructions are addressed to all persons installing, operating or maintaining the Series 50 Standard Bevel Gear Units.

You must not use the Series 50 Standard Bevel Gear Units before having read and understood these operating and maintenance instructions. Please give the safety instructions also to other persons.

Features

Bevel Gear Units are used for winding through drive of machinery and equipment of all kinds.

The fully enclosed design permits use in dusty or damp rooms.

The cast iron housing is fully machined. Thus each housing wall is a good area. The gear can be used in all situations. The delivery is not painted (without permanent corrosion protection).

The spiral bevel gears are made from high quality steel and hardened. Gears, bearings and all other parts are designed for long life.

The efficiency is 97 - 98%.

Atlanta Bevel Gear Units require minimal maintenance.

Assembly

The Atlanta bevel Gear Units should be drawn as possible from vibration. In the immediate transmission of gear to work machine, it is useful, flexible and possible backlash to use.

At the risk of blocking interposing a clutch is advantageous.

The attachment will be made of transmission elements on the shaft must work carefully, preferably using the space provided thread.



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Lubrication change

The Bevel Gear Units are factory ready for operation with oil filling.

Under normal operating conditions, a first oil change after 400 hours is appropriate. Thereafter, oil-change intervals of 4,000 hours is recommended.

It is recommended to monitor the lubricant level in the oil screw and refill oil if necessary.

Schmierstoffmenge

By oil change are follow oil level fill into the Bevel Gear Units:

| Gear Units | oil-level | Input speed for |
|------------|-----------|------------------------|
| 50 03 003 | 0,01 | 1500 min ⁻¹ |
| 50 23 003 | 0,01 | 1500 min ⁻¹ |
| 50 03 004 | 0,03 | 1500 min ⁻¹ |
| 50 23 004 | 0,03 | 1500 min ⁻¹ |
| 54 03 005 | 0,1 | 1500 min ⁻¹ |
| 54 23 005 | 0,1 | 1500 min ⁻¹ |
| 54 03 006 | 0,2 | 1500 min ⁻¹ |
| 54 23 006 | 0,2 | 1500 min ⁻¹ |
| 50 03 007 | 0,4 | 1500 min ⁻¹ |
| 50 23 007 | 0,4 | 1500 min ⁻¹ |
| 50 03 008 | 0,9 | 1500 min ⁻¹ |
| 50 23 008 | 0,9 | 1500 min ⁻¹ |

Lubrication

We recommend Hypoid Gear oil SAE 90 of the following specifications:

viskosity by 50°C: 90-120cSt

International Spezifikation: MIL -L-2105 API

klassifikation: GL4