Operation and Assembly Instructions
Rapid Hoist Gear NG1, NG2 and NG3

General:

ANT rapid hoist gears can be assembled according to the same principles as the ANT spindle hoist gear (versions N, R, KGT). Prior to assembly the rotational direction of all rapid hoist gears, bevel gears (suitable dimensioning may render them superfluous) and of the drive motor must be checked for tightness regarding the in-feed direction of each individual rapid hoist gear. Make sure to compare the rapid hoist gear with the order specifications.

Assembly of an individual rapid hoist gear:

Mount the ventilation filter (delivered separately). Depending on the assembly direction, the lock screw on the rapid hoist gear must be removed in order to mount the 90° bend and the ventilation filter (please see reverse). Align rapid hoist gear and spindle by means of a spirit level and tighten screws. This must not lead to asymmetric tension of the rapid hoist gear. All shafts of the rapid hoist gear must turn easily and continuously in any hoist position. Dirt on the spindle leads to premature wear and tear! After 200 hours of operation, grease or oil must be changed. Additional oil or grease changes must be done after every 2000 hours of operation, but no later than 18 months, whichever is earlier. The wear of the spindle nut or travelling nut must be checked periodically (approximately every 200 hours of operation). If the axial clearance of a single-start thread is ¼ of the thread pitch, the spindle nut or travelling nut must be exchanged.

Trial run:

Prior to mounting the drive motor please check the overall rotational direction of the entire system and the proper functioning of the end switches one more time. Grease the hoist spindle along the entire hoist length sufficiently so that sufficient oil is available for the hoist operation.

After this, the initial test runs can be conducted without load. Keep checking the spindle wear pattern during the start-up phase, and check operational temperature. After about 4 to 6 hours of operation all screws must be checked.

Operation:

The loads, rotational speeds and operational conditions specified for rapid hoist gears and transmission elements must not be exceeded, not even briefly. Violations render any warranty claims null and void.

Lubrication oil amount NG 3:
2,0 l (depending of installation position)
Recommended lubrication oil:
Aral Degol GS 220

Lubrication oil amount NG 2:
0.45 l
Recommended lubrication oil:
Aral Degol GS 220

Amount of grease NG 1:
0.1 l
Recommended type of grease:
CASTROL Longtime PD00

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