

USE AND MAINTENANCE

Condition upon delivery

All reducers undergo a no-load functioning test prior to delivery and are already set for installation in the assembly position requested by the customer.

Important

Do not disassemble the reducer during the warranty period without the manufacturer's authorisation as this will invalidate the warranty.

Installation

It is very important that the following standards be met when installing the gear reducer and/or gearmotor :

- > Make sure that the gear reducer is aligned with the motor and with the operating machine
- > Ensure that the reducer is secured firmly so as to prevent any vibration.
- > The elements (cable or solid) must be mounted on the shafts in a workmanlike manner, without forcing, to ensure that the couplings are sound, thereby avoiding any damage to the bearings or other parts of the reducer. The elements in question must be machined to ISO H7 tolerance levels.
- > If the reducer is painted, the rotating parts, control devices (oil indicator lamps) and particularly the oil seals, should be protected to ensure that they are kept in good working order.
- > Before putting the machine into operation, make sure that the oil level indicator and the drain plug are correctly positioned in relation to the position in which the reducer has been mounted and that there is adequate oil to lubricate the internal working parts.
- > If the machine is installed in the open air or in environments subjected to particularly harsh conditions, a rust-proofing paint should be used and water-repellent grease should be applied to the rotating parts.
- > When the reducer is supplied without a motor, check that the shaft and motor flange tolerances satisfy IEC Standards. Clean off any traces of dirt or paint from the shaft, centring pin and flange plate. Couple the elements without forcing them in any way.
- > The reducer must be put into operation gradually and not used immediately at maximum load.

Use

If overloading, impact or blockages are likely to occur while the machine is working, safety devices should be fitted such as joints, torque limiters or electrical equipment capable of safeguarding the reducer or gearmotor.

Maintenance

Check periodically for any lubricant leakages due to over-worn oil seals, damaged seals and check also that the level of lubricant is correct.

The external surfaces of the reducers and the electric motor fans in the gearmotors should also be kept clean to ensure adequate ventilation and heat exchange in the reducer casing.

Storage

The reducers can be stored in an inoperative condition (normal industrial environment) without having to take any special precautions for a period of about 6 months; if they remain inoperative for a longer period, the surface protective devices on the rotating parts should be reset and the lubricant topped up completely (to be adjusted to the correct level when the reducer is put back into operation)