

Installation and Maintenance Instructions Freewheel Type AL..G

To avoid premature failure of the freewheel or possible machine malfunction, installation of the freewheel should be carried out by suitably qualified personnel and according to the following instructions.

STIEBER will not accept liability in cases of non-compliance with these instructions!

Mounting

The freewheel combination is installed in a way that side „A" with the output side and side „B" with the input side are connected. Overrunning is to be effected by Side „A".

Check freewheel's direction of rotation and compare it with the indications before mounting. If the equipment is to be varnished entirely sides „A" and „B" are to be marked with distinction.

Safe anchorage of the freewheel with the bottom is to be ensured. For securing 4 pcs. screws (strength 10.9) are to be used.

For mounting the clutch halves, belt discs etc. the shaft ends on the freewheel are to be cleaned carefully and greased. The corresponding part is to be fitted with the appropriate mounting device. When heating the coupling flanges in an oil bath of approx. 100°C this procedure can be facilitated.

Adjusting of the encased freewheels

Careful and exact adjusting will increase considerably life service of the freewheel combination and of the transmitting parts of flexible couplings. Parallel and angle misalignment of the entire lineshaft are to be kept as low as possible at any operating temperature.

Lubrication and Maintenance

The encased freewheel is delivered oil filled by the factory. Before putting the freewheel in operation oil filling is to be controlled once more at the oil gauge.

After 10 to 15 hours of operation the first oil change is to be made. During running-in procedure in the first hours of operation roughness on the surface is decomposed and smoothed, and through flushing the abrasion is to be removed out of the freewheel.

During operation the encased freewheel is to be controlled regularly for loss of oil.

After 8000 hours of operation or one year oil change and flushing are to be made. On facility in operation this can be done at the freewheel being in driving direction.

Note the rules for prevention of accidents!

The procedure must be effected as follows

Air filter and oil-inlet screw must be screwed off the flange. Stopper with seal must be removed at bottom and the used oil must be let out.

After that the stopper with seal must be screwed in again and the freewheel must be filled with flushing oil. Flushing procedure must be terminated after 1 or 2 minutes by letting out the oil again.

Now the new oil filling can be applied after having shut the oil outlet.

The oil quantity for flushing and re-filling is to be gathered from the table below.

Avoid overfilling.

Attention! The period of the freewheels being in driving operation without oil filling is to be kept as short as possible. Otherwise bearings could be damaged. Housing freewheels that operate in idling direction never should run without lubrication.

Do not touch running parts!

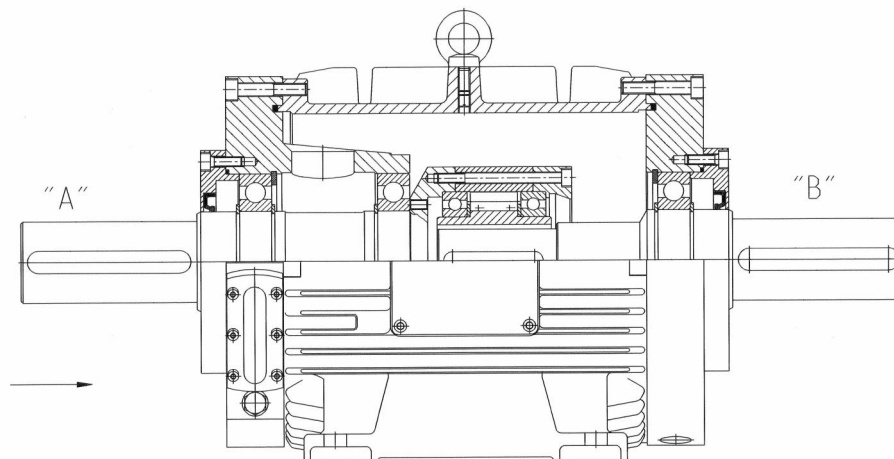
If sufficient oil is filled into the encased freewheel air filter and oil inlet screw are to be tightened at the bearing flange.

Freewheel Type	Oil Volume [l]
AL 50 - G3	2,75
AL 55 - G3	2,75
AL 60 - G3	2,75
AL 70 - G3	2
AL 80 - G4	6,5
AL 90 - G4	5

The oil quality is to be determined in dependence from the ambient temperature, size of the AL..G and the driving speed.

Contact **STIEBER** to determine the correct oil quality!

ACHTUNG: WELLE "A" MUSS ÜBERHOLEN!
ATTENTION: SHAFT "A" MUST OVERRUN!



Drehrichtung links: Bei Ansicht in Pfeilrichtung dreht Welle A gegen den Uhrzeigersinn
 DIRECTION OF ROTATION LEFT: WHEN VIEWED IN DIRECTION OF ARROW SHAFT "A" OVERRUNS COUNTERCLOCKWISE