

Installation and Maintenance Instructions Freewheel Type AV

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!

Prior to Installation:

The freewheels should be unpacked, and installed in a clean dry working environment.

The freewheeling direction should be checked prior to installation. (Reverse unit on shaft to change freewheeling direction.)

The inner race should be fitted to a shaft of h6 or j6 tolerance. Avoid axial loading of the outer race during fitting.

Installation:

Use a key to DIN 6885 sheet 1. The key must be the full length of the freewheel hub.

When installing the backstop, the inner race should be pressed on to the shaft.

Apply load evenly across the inner race to avoid distortion of the race.

During installation, apply load exclusively to the inner race. Avoid any axial loading of the outer race during fitting.

The torque is transmitted at the outer race by a reaction pin passing through the slot in the torque arm.

Ensure the torque reaction pin is correctly located.

The torque reaction pin must have a clearance of 1% to 2% of the pin diameter on each side of the pin.

After Installation:

After installation, ensure the unit freewheels in the required direction.

Lubrication and Maintenance:

Maximum stocking life: 1 year in a dry atmosphere.

The backstop is factory lubricated with Klüber Polyub WH 2 grease.

Every 2 years the backstop should be dismantled, thoroughly cleaned with flushing oil and relubricated.

We recommend this overhaul is performed by STIEBER.

When re-lubricating, approximately 35% of the internal volume of the backstop should be filled with grease.

Excessive grease may inhibit the backstopping function.

Bearing grease with corrosion inhibitors and anti-ageing additives are acceptable.

Avoid grease with EP additives.

Grease should be of class 0 to 2.