

Chain tension control

Lift chain

The chain tension must be checked every 100 hours of operation; if necessary, the chain must be tightened.

However, this check must be conducted more frequently at the outset: the first time after 5 hours of operation, then after 20 and 50 hours.

The checking and tightening procedure is illustrated in figure below. Apply a pressure of app. 5 kp to the middle of the chain ("L/2"). At this pressure level, the chain must travel no more than +/- 10mm per metre of chain (total chain length "L").

If required, tighten the chain as follows, cf. figure below

Loosen the 2 nuts next to the anti-vibration kit (by the rubber buffer) on the gear motor.

Loosen 4 nuts "C"

Loosen nut "B".

Tighten nut "A" (turning clockwise) until the desired tension has been obtained. Remember to carry out identical tightening on both sides of the machine.

Tighten nut "B".

Tighten nuts "C".

Check that the gear motor is in vertical position; then adjust and tighten the nuts by the rubber buffer.

Over time, the length of the chain will increase. When it is no longer possible to tighten the chain as indicated, move the lower bearings and shaft down by one hole (rough adjustment).

Max. allowed chain lengthening is 3 %. If this limit is exceeded, a new chain must be fitted.

