

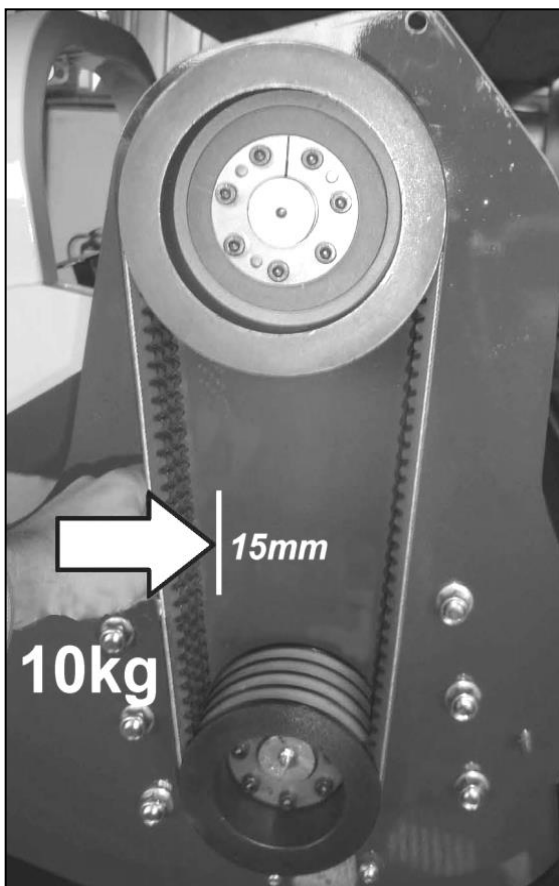
## Magnum Elite

### BELT TENSION

It is important for both optimal machine performance and long lasting belt life that belts are correctly tensioned at all times. Tension is correct when a force of 10 kg exerted on the belts at their mid-point between the upper and lower pulleys deflects the belts by 15mm.

If the belts require tensioning, follow the procedure stated below.

**After an initial first 2 hours of work check belt tension and taper locks (indicated 1 & 2 in the photo below right) – tighten if required. Torque setting for Taper Locks = 45Nm.**



Belt Tension – 15mm deviation under 10kg pressure at mid-point of belt run

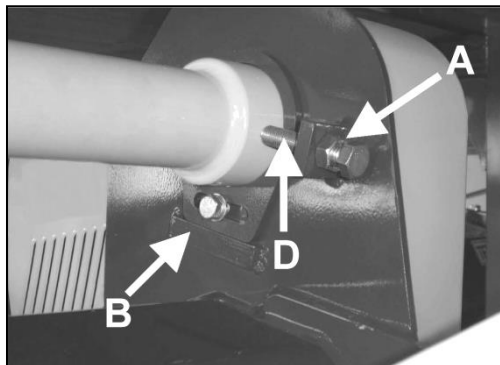


Taper Locks – check tightness on new machines after initial 2 hours of work

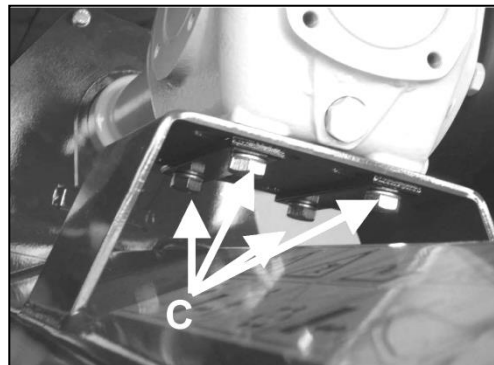
### BELT ADJUSTMENT

Adjustment of the belt tension is performed by loosening the adjuster locking nut (A) and slackening half-shaft lock bolt (B) along with the four gearbox mounting bolts (C) – refer to photos below. Adjuster bolt (D) can then be turned to increase or decrease belt tension until belt deflection matches the required measurement – see above. Belt tensioning should be performed when the belts are cold. Re-tighten bolts 'B' and 'C' and locknut 'A' when belt tension is correct.





Location of Belt Tension Adjusters



Location of Gearbox Mounting Bolts

**WARNING:** Checking of belts and drive components should only be carried out with tractors engine switched off, starting key removed and the PTO shaft disconnected. Never attempt to run the machine with the belt guard removed – Replace guard after tensioning before starting the machine

