

## Fitting instructions for CENTAFLEX-couplings with highly elastic rubber elements

### Important notes - observe strictly

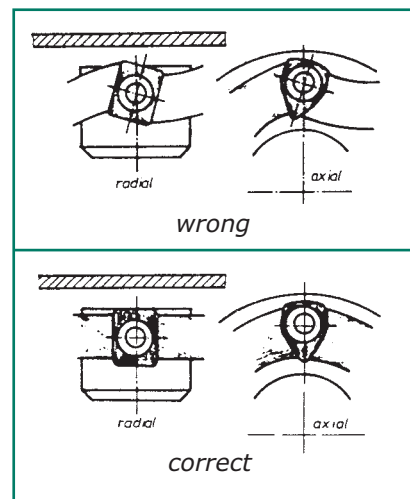
The radial and axial screws connecting the rubber element to the hubs must all be tightened to the torque given in the table below, using a **torque wrench**.

Tightening with a torque wrench is particularly important with the larger sizes. Tightening "by feel" will not do, as experience has proved the tightening torques in such cases are far too low.

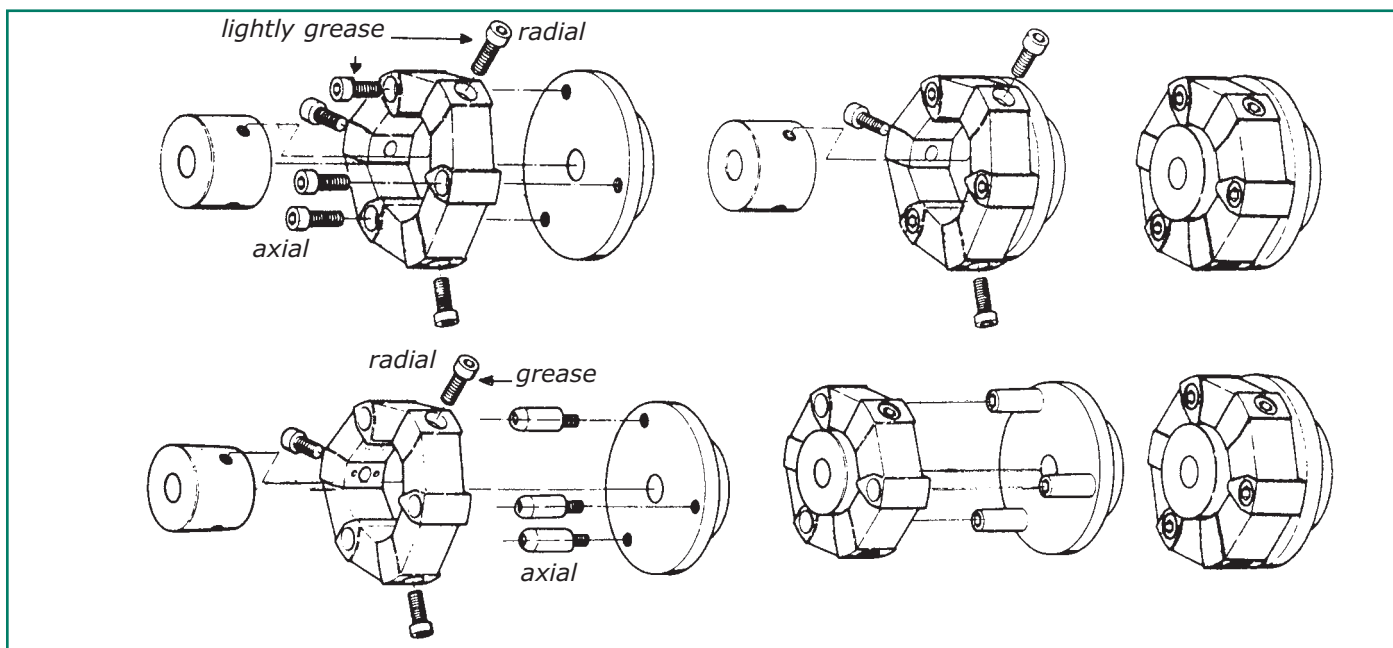
Tightening torques which are too low will inevitably lead to slackening of the screws in service and consequently to the destruction of the coupling.

Ensure that on tightening the screws, the aluminium bushes in the rubber part are not twisted at the same time, but sit straight.

In order to reduce friction between the screw head and the aluminium part, a small amount of **grease** should be applied under the head of the screw before fitting. If necessary, use a suitable tool for applying counter pressure on the element to **prevent twisting of the rubber part** during tightening of the screws. This is particularly important with the **radial screws**, otherwise the cylindrical faces between aluminium insert and hub will not engage on the full area, but only on two corners. This will inevitably lead to slackening of the screws and subsequent destruction of the coupling. If the coupling is supplied in a pre-assembled state, do not dismantle it, but fit in this condition.



### Sequence of Assembly



### Standard Design

Fit the hubs onto the shafts or the adaptor plate onto the flywheel.

Fit the rubber element to the flanged hub or flywheel, by means of **axial screws**. **This must be carried out before engaging the radial screws in the cylindrical hub.**

Push the shaft-mounted cylindrical hub inside the rubber element and then fasten the rubber element on it with radial screws. During this process, the rubber element is compressed radially and is pre-loaded for increased capacity.

### Design S (plug-in or blind fitting type)

Fit the hubs onto the shafts or the adaptor plate onto the flywheel.

Fit the axial socket bolts on at the flange hub or adaptor plate on the flywheel.

Position the element with the side having the rubber free face of the axial aluminium inserts towards the flange hub and, using the radial screws, mount it on the cylindrical hub. During this process, the rubber element is pulled together radially and receives its pre-load. Then, push the

coupled elements together and in doing so, carefully slide the coupling with light axial pressure onto the socket bolts. The rubber element is subjected to a little more radial compression by the socket bolts, and the pre-load is thus increased. The axial bores in the rubber element should be smeared lightly with grease beforehand to allow the socket bolts to slide easily in the inserts.