

Maintenance instructions for the original K80® ball coupling from Scharmüller

1. Cleanness:

Clean the ball of debris and hard-dried grease residues before coupling. The lubrication point inside the ball eyelet must also be cleaned.

2. Lubrication:

If the ball coupling is in daily use, it must be lubricated daily.

The lubrication can be done directly on the ball or via the grease nipple on the underside of the ball or on the ball eyelet.

For centralized lubrication systems, the actual function of the lubrication must be ensured.

3. Covering Cap K80® (Part.Nr.: 10.730.800.0):

If the K80® ball is not used, attach the blue cap.

It protects the hardened surface of the ball from dirt, Rockfall and other damage.



4. Foamring K80® (Part.Nr.: 20.412.000):

The foam ring on the neck of the ball prevents the ingress of dirt and dust.

Dirt / dust + lubricant = emery paste.

This rubs the hardened surface of the ball over time and thus promotes wear.



5. Keeperadjustment:

The clearance between the towing eye and the screw should be set to 0.5mm.

It is also important to note differences in towing eyes from different manufacturers.

Here we recommend the use of Scharmüller towing eyes.

An unadjusted keeper will result in unequal wear of the ball and the ball eyelet and may result in damage to the coupling or suspension of the trailer or the attached machine in case of spontaneous negative support loads. After an accident, the hold-down has to be replaced.



An operating and maintenance recommendation from Scharmüller Austria.