

## **Replacement of a bearing:**

If the bearings showed signs of wear or overheating during your inspection you can replace them as follows. Remember both bearings must be replaced, even if only one appears to be damaged. Each bearing is to be replaced as a unit i.e. bearing shell and race.

1. Jack up the trailer and remove the wheels.
2. Remove the grease cap.
3. Remove the split pin and castle nut (and washer if present).
4. Pull the hub assembly off the spindle.
5. Remove the seal, inner and outer bearing from the hub.
6. Wash the bearing races and inside of the hub thoroughly with a grease solvent.
7. Carefully inspect both the bearing races and the bearing shells inside the hub for signs of wear and overheating by noticing a blue colour on rollers and bearing surfaces. Remove both bearing shells from the hub by using a suitable punch and hammer to carefully knock them out.
8. Take care not to damage the hub bearing housings (machined surfaces in hub.) Wash inside of hub thoroughly with a grease solvent.
9. Fit the new bearing shells so that the tapered faces point toward the outside of the hub. Use a press or else a pipe and hammer. The pipe should have an outside diameter slightly less than the diameter of the bearing housing. Tap carefully to prevent the bearing shell from cocking in the hub. Replace the bearing races into the bearing shells in the hub.
10. Fit a new seal.
11. Slide the hub assembly back over the spindle.
12. Fit the washer (if present) and screw the castle nut down tight, then loosen slightly until the hub can be easily rotated by hand.
13. Turn the castle nut to the closest position for the split pin to be fitted. There should be no more than 0.1mm end float ("rocking") in the hub and the hub must be easily turned by hand.
14. Fit the split pin and bend the legs open around the outside of the castle nut.
15. Replace grease cap into the hub by tapping it lightly with a hammer until properly seated.
16. Replace the wheels and ensure that the wheel nuts or bolts are properly tightened. Check them again after you have covered about 20km.



*"You will never be alone on the side of the road"*

**19A Michelin str. Vanderbijlpark**  
**CELL: 082 929 0057, TEL: 016 986 0129**  
**CELL: 082 921 5121, FAX: 086 772 5040**

Website: [www.sleepwaparte.co.za](http://www.sleepwaparte.co.za)

E-mail: [sales@sleepwaparte.co.za](mailto:sales@sleepwaparte.co.za)

Perform a regular external inspection of the hubs by looking for leaking or defective seals, missing grease caps or broken and missing wheel nuts or bolts. If your trailer's axle is exposed to fresh or salt water, or it operates under particularly severe conditions, the maintenance inspection must be performed more frequently.

Do not exceed the rate load of the trailer's axle. Remember that the load carried by the axle is the load on the trailer plus the mass of the trailer itself. Doing so may result in damage of the axle and or the bearings.

Additional information on the trailer and its axle will be available on the Data plate located on the left-hand side of the trailer.