

BPW Ballrace Maintenance

ISSUE TB14-03

Replaces Technical Buletins: TB08-05 & TB10-03

Greasing

Ballraces are shipped with transit grease only and have to be fully greased before being put into service.

Grease Type - use a Lithium complex grease, consistency NGLI 2-3 (BPW ECO-Li plus recommended). A minimum of 600 grams of grease is required for the initial grease fill and for servicing. After filling with grease a continuous bead of grease must be seen around the circumference of the gaps. Whilst greasing the ballrace must be turned 30 degrees left and right

Greasing Interval

On highway	20,000 km or 2 monthly
Off highway ¹	Every 2 weeks
Off highway Extreme ²	Weekly

Avoid directing high pressure water or steam jets at bearing gaps. Must be re-greased after intensive cleaning.

Wear Limits for BPW Ballrace Turntables

BPW Ballraces must be replaced when the following wear limits are reached.

Radial Play	Maximum of 2.0mm
Axial Play	Maximum of 3.0mm

Testing procedure

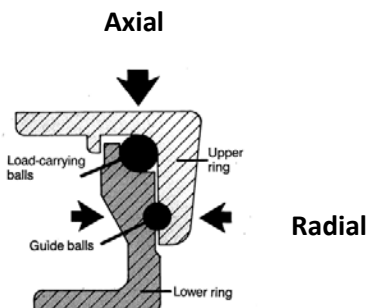
Park un-laden vehicle on flat level ground

Axial Play (Up and Down)

Release trailer brakes.

With an appropriate lever on both sides attempt to lift the upper ring relative to the lower ring.

Movement should not exceed 3.0mm



Radial Play (Backwards and Forwards)

Apply trailer brakes and drive truck back and forth. Measure the total movement (play) at the upper ring relative to the lower ring.

Movement should not exceed 2.0mm

The bolt torque must be checked every 25000Km or at least every 3 months, except in extreme applications when they should be checked more frequently.

¹ Includes vehicles used on any gravel road

² Logging/Livestock