# MAINTENANCE

## Radial/Axial Clearance Adjustment

**Products on Which the Procedure Should Be Applied**

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<tr>
<th>Group</th>
<th>Type</th>
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<td>ROAD WHEELS</td>
<td>ALL</td>
<td>006</td>
<td>1/2011</td>
<td>RADIAL/AXIAL CLEARANCE ADJUSTMENT</td>
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**Insert the wheel on the Truing stand.**

**Adjust the stands arms tight against the axle flanges of the hub.**

**Insert a front or rear quick release from the left side of the stand.**

**Push the axle of the quick release through to the other side and tighten the adjustment nut.**

**Close the release lever.**

**Position the gauge on the side of the rim using the provided adjustment.**

**Using the spoke retainer ring UT-WH010, start to tension the wheel starting from the valve hole. For each spoke turn the nipple by ¼ of a turn.**

**Once you have reached average tension, use a tensiometer to check the tension of the individual spokes. If there is sufficient tension, go to the next stage. If not, repeat point 7.**

**Start to adjust the true (axial clearance) of the wheel by loosening or tightening the nipples as needed, until you attain adequate reading of the gauge.**

**Position the gauge with the feeler on the edge of the bead of the rim.**

**Start to adjust the hops (radial clearance) of the wheel by loosening or tightening the nipples as needed, until you attain adequate reading of the gauge.**

**Check the tension of all the spokes of the wheel. If the tension value is low, repeat from point 7.**
Settle the spokes. For each spoke firmly pull the rim with two hands from the opposite side of the spoke. Repeat on the opposite side of the wheel.

After the wheel has settled, check again both the axial and the radial clearance.
- **AXIAL CLEARANCE** → Point 9
- **RADIAL CLEARANCE** → Point 11

Check the tension of all the spokes of the wheel. If the tension value is low, repeat from point 7.

Check the dish of the wheel using the special dishing tool. By resetting the dishing tool on one side of the wheel, the distance between the fixing screw and the part on the opposite side should be reduced to a minimum.

Example of correct dish.

Example of incorrect dish.

Insert the designated thread lock once the operation is complete.