DUAL MATCHING AND SPACING

DUAL MATCHING
When putting tires in dual assemblies, tires should be matched with design and dimensional tolerances in mind. Bias ply tires should not be matched with radials, and tires with a difference of ¼” should not be matched together. Also do not use different rim widths in dual applications. Mismatched tires may result in mechanical problems, rapid wear, abnormal/irregular wear, and premature tire failure. When improperly matched, one tire will work harder than another which may also lead to sudden air loss.

DUAL MATCHING LIMITS

<table>
<thead>
<tr>
<th>TIRE CONSTRUCTION</th>
<th>DIAMETER</th>
<th>CIRCUMFERENCE</th>
</tr>
</thead>
<tbody>
<tr>
<td>Radial</td>
<td>0 to ¼”</td>
<td>0 to ¼”</td>
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</tbody>
</table>

Tires within ¼” diameter are permitted. Diameters greater than ¼” is too great to be properly matched. Each ½” OD = 1.56” of difference in circumference.

41.0”

41” to 40.75” diameter is permitted (less than 40.75” is too small to be properly matched with a tire with an OD of 41”)

MEDIUM TRUCK APPROVED RIM WIDTH AND MINIMUM DUAL SPACING

<table>
<thead>
<tr>
<th>TIRE SIZE</th>
<th>APPROVED RIM WIDTH</th>
<th>MINIMUM DUAL SPACING</th>
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<tr>
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<td>TUBELESS</td>
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<td>6.00HC, 6.75HC</td>
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<tr>
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<tr>
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</table>

Notes:
- New tire section widths and overall widths will change 0.10” for each 0.25” change in rim width.
- Use alternate rims only when recommended rims cannot be used.
- Do not use different rim widths in dual applications.

Design Rim Width shown in boldface type

* Minimum Dual Spacing is listed for the design rim width. If design rim not used Minimum Dual Spacing must be adjusted per note 1 (below) for other rim widths.

* 8.25- rim may be used if tire load is limited to 8,000 lb single and 7,610 lb dual @ 120 psi. The minimum dual spacing for 8.25-rim is 13.2”. Do not exceed manufacturer’s recommended maximum load and inflation.

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