# 7.5” Gauge – Various Scale Wheels – 1 1/2” Scale Track

All Dimensions Except Tire Width Apply To All Wheel Scales

<table>
<thead>
<tr>
<th>Symbol</th>
<th>Dimension</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>TG</td>
<td>Track Gauge</td>
<td>7.5 Min</td>
</tr>
<tr>
<td>WW</td>
<td>Flangeway Width</td>
<td>0.257 NLT</td>
</tr>
<tr>
<td>WD</td>
<td>Flangeway Depth</td>
<td>0.196 Max</td>
</tr>
<tr>
<td>TW</td>
<td>Tire Width</td>
<td></td>
</tr>
<tr>
<td></td>
<td>1 1/2” Scale</td>
<td>3/4 Min</td>
</tr>
<tr>
<td></td>
<td>1.6” Scale</td>
<td>0.8 Min</td>
</tr>
<tr>
<td></td>
<td>2 1/2” Scale</td>
<td>1 1/4 Min</td>
</tr>
<tr>
<td></td>
<td>3 3/4” Scale</td>
<td>1 7/8 Min</td>
</tr>
<tr>
<td>TA</td>
<td>Tread Angle</td>
<td>2.833° Max</td>
</tr>
<tr>
<td>FW</td>
<td>Flange Width</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- New</td>
<td>0.156 NMT</td>
</tr>
<tr>
<td></td>
<td>- With Wear</td>
<td>0.117 Min</td>
</tr>
<tr>
<td>FH</td>
<td>Flange Height</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- New</td>
<td>0.187 NLT</td>
</tr>
<tr>
<td></td>
<td>- With Wear</td>
<td>0.218 Max</td>
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<tr>
<td>FA</td>
<td>Flange Angle</td>
<td>10° Min</td>
</tr>
<tr>
<td>GR</td>
<td>Gauge Radius</td>
<td></td>
</tr>
<tr>
<td></td>
<td>- New</td>
<td>0.125 NMT</td>
</tr>
<tr>
<td></td>
<td>- With Wear</td>
<td>0.094 Min</td>
</tr>
<tr>
<td>FR</td>
<td>Flange Radius</td>
<td>0.062 Typ</td>
</tr>
<tr>
<td>WB</td>
<td>Wheel Back to Back</td>
<td>7.125±0.020</td>
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<tr>
<td>WC</td>
<td>Wheel Check</td>
<td>7.242 Min</td>
</tr>
<tr>
<td>WG</td>
<td>Wheel Gauge</td>
<td>7.359 Min</td>
</tr>
</tbody>
</table>

**Notes**

All dimensions in inches

Tread angle is 2 degrees 50 minutes or 2 5/6 degrees

**Tolerance**

The amount by which a final measured dimension can vary from the given value is determined by the tolerance.

- **+ (plus) and a Value** – The measured dimension may be larger by any amount up to, and including this additional value
- **Max** – This is the largest the measured dimension can be, any smaller value is acceptable
- **Min** – This is the smallest the measured dimension can be, any larger value is acceptable
- **NLT Not Less Than** – Similar to a minimum but the measured dimension should be as close as possible to the given dimension without being smaller than it
- **NMT Not More Than** – Similar to maximum but the measured dimension should be as close as possible to the given dimension without being larger than it
- **Typ (typical)** – Approximate dimension, exact value will have to be determined in order to make other surfaces align correctly