**RTN32B END TRUCK TOP JOINT PLATE TYPE K**

<table>
<thead>
<tr>
<th>Joint plate</th>
<th>JPL</th>
<th>B max</th>
</tr>
</thead>
<tbody>
<tr>
<td>K4</td>
<td>20.47&quot;</td>
<td>16.14&quot;</td>
</tr>
<tr>
<td>K5</td>
<td>24.80&quot;</td>
<td>20.47&quot;</td>
</tr>
<tr>
<td>K7</td>
<td>33.46&quot;</td>
<td>29.13&quot;</td>
</tr>
<tr>
<td>K9</td>
<td>43.31&quot;</td>
<td>38.98&quot;</td>
</tr>
</tbody>
</table>

- **Joint plate code:**
  - B = bogie
  - # = standard, E = special
  - T = table

- **Buffer type:**
  - L = L1 Ø

- **Minimum wheelbase with K9 joint plate is 5'-3".**

- **Wheelbase:**
  - SS
  - S
  - L1

- **Wheel groove:**
  - UU

- **Mmin = 1'-7 1/4"**

- **Tightening Torque:**
  - M16 Bolt - torque to 221 ft-lb
  - M20 Bolt - torque to 427 ft-lb

- **Product Code example:**
  - RTN32B1474-K41940C0000-N

- **Wheelbase Table:**

<table>
<thead>
<tr>
<th>Wheelbase</th>
<th>SS</th>
<th>Max dyn whl load</th>
<th>Permissible dyn whl load, (kip)</th>
<th>Approx. Wt./Trk, lb</th>
</tr>
</thead>
<tbody>
<tr>
<td>code</td>
<td></td>
<td>(kip)</td>
<td>ASCE 40</td>
<td>ASCE 60</td>
</tr>
<tr>
<td>14</td>
<td>4'-7 7/8&quot;</td>
<td>56.93</td>
<td>25.2</td>
<td>33.9</td>
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<td>33.9</td>
</tr>
</tbody>
</table>

- **Wheels:**
  - 9.84 MIN

- **Joint plate bolt tightening torque:**
  - M16 Bolt - torque to 221 ft-lb
  - M20 Bolt - torque to 427 ft-lb

- **Buffer types:**
  - B, C, D rubber
  - K, G, E, F, H, I, M, P, S polyurethane

- **Wheelbase Table:**

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- **Wheels:**
  - 9.84 MIN

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**The wheel loads listed are only a guideline. The max. wheel load listed is based on the structural integrity of the frame and load placement, and it does not take into account permissible wheel loading or bearing life. Load placement is assumed at the center of each truck.**

- **The permissible dynamic wheel load listed is based on assumptions that the bridge speed is 40 mph [130 fpm], end truck duty is Fem 2m, and the runway rail is as listed.**

- **The actual wheel load should not exceed the permissible wheel load. If the permissible dynamic wheel load is greater than the maximum dyn wheel load, then the actual wheel load cannot exceed maximum dyn wheel load.**

- **Dynamic wheel load = 1.15 x static wheel load**

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**Notes:**

- Buffer type
- Joint plate distance, mm (pin to pin, with DG)
- Joint plate code
- - #1WD, D = #2WD (Number of driving wheels/truck)
- Wheel groove = UU, mm
- Wheel base = SS, mm
- - std. B= bogie
- Type of end carriage

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**Minimum wheelbase with K9 joint plate is 5'-3".**

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**Product Code example:**

- RTN32B1474-K41940C0000-N