**TL21**

**Tire Structure**

**Belt structure**
Optimized belt structure for better fuel efficiency.

**Carcass**
Optimized carcass structure for better ride and handling.

**Improved bead**
Improved bead structure for high speed and long mileage.

**Sizes & Specifications**

<table>
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<tr>
<th>S-code</th>
<th>Size</th>
<th>Ply rating</th>
<th>Type</th>
<th>Measure. rim</th>
<th>Mea. Air (PSI)</th>
<th>Max. Load (LBS)</th>
<th>Overall diameter (inch)</th>
<th>Section width (inch)</th>
<th>Tread width (inch)</th>
<th>Tread depth (1/32nds)</th>
<th>Revs/mile</th>
<th>Max speed (MPH)</th>
<th>Weight (lbs)</th>
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- Technical data subject to change without prior notice.

**Recommended Vehicle Types and Position**

- Recommended position

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[link to hankooktire.com/us]
Optimized Trailer Design for Enhanced Performance

The innovative long haul trailer design provides long mileage and offers low cost with a controlled driving experience.

Significant Design Features

**Optimized design**
- The linear 4-groove pattern offers straight drivability in all conditions. Enhanced shoulder rib improves stability on the road.

**Taper**
- Smooth lines at the edge of the grooves provide optimal footprint to help increase fuel efficiency.

**Side decoupling groove**
- The decoupling groove is designed to resist irregular wear, improve durability and promote stability for better performance.

**Lateral groove and dimple kerf**
- The mixed design, featuring lateral grooves and dimple kerfs, reflects contemporary trends in the long haul trailer application.

Technology and Benefits

**Stiffness Control Contour Theory technology**
- SCCT allows Hankook Tire to develop tires by balancing optimum stiffness with contact shape which improves performance, safety, cornering, braking and durability.
- Uniform dispersion of internal force on carcass minimizes mobility of belt/bead.
- Keeps the carcass profile in equilibrium (stable) state.
- Non-flat carcass line design.
- Improved durability and retreadability.

**Innovative mixing system**
- Optimized tread volume for increased mileage and specifically formulated tread compound that provides exceptional tread wear.
- Greater molecular weight by minimizing breakage of polymer chain.
- Increased strength and decreased heat generation.
- Improved fuel efficiency.

**Test results**
- Rolling Resistance:
  - Old: 100
  - TL21: 89
- Mileage:
  - Old: 106
  - TL21: 103