**KUMHO TIRE**

# PRODUCT DATA GUIDE

## MEDIUM COMMERCIAL TRUCK

# KUMHO TIRE NAMING SYSTEM 04
# MEDIUM COMMERCIAL TRUCK 07

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SmartWay VERIFIED

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# MEDIUM COMMERCIAL TRUCK

Kumho Tire offers a wide selection of medium commercial tires for regional and local delivery trucks, long distance tankers and trailers, dump trucks, cement mixers and buses. Conventional and low profile designs and standard, deep, extra deep and shallow tread depths are available to match your exact application needs.

## K  L  D  01

| BRAND | APPLICATION | POSITION | CODE |
|---|---|---|---|
| K | L | S | 01 |
| KUMHO | LINE HAUL | STEER AXLE USE | |
| | R | D | 02 |
| | REGIONAL | DRIVE AXLE USE | |
| | C | T | 03 |
| | P&D (CITY TRANSIT) | TRAILER USE | |
| | M | A | 04 |
| | MIXED SERVICE | ALL-POSITION | |
| | F | | THRU 99 |
| | OFF-ROAD | | |
| | W | | |
| | WINTER | | |

SmartWay VERIFIED

# TECHNICAL DATA

## APPLICATION CHART

| | LINE HAUL | REGIONAL | MIXED SERVICE | WIDEBASE |
|---|---|---|---|---|
| | Interstate Highway | Highway & City | Mixed Conditions | Mixed Conditions |
| STEER & ALL-POSITION | KLS02(e)    KLS12(e) | KRS02(e)    KRS03    KRS50    KRS12(e) | KMA01 | KRA12    KMA12 |
| DRIVE | KLD02(e)    KLD11(e)    KXD12(e) | KRD01    KRD03    KRD16    KRD50    KRD23 | KMD41 | |
| TRAILER | KLT12(e) | KRT03a    KRT12 | | |

## PRODUCT POSITIONING MAP

Route Severity (Harshest)

Surface Severity (Mildest)

Surface Severity (Harshest)

**MIXED SERVICE**
KMA01, KMD41, KMA12

**WIDEBASE**
KRA12, KMA12

**REGIONAL**
KRS02(e), KRS03, KRS50
KRD01, KRD03, KRD16,
KRD50, KRT03a, KRT12,
KRA12, KRD23, KRS12(e)

**LINE HAUL**
KLS02(e), KLD02(e),
KLD11(e), KLT12(e),
KLS12(e), KXD12

Route Severity (Mildest)
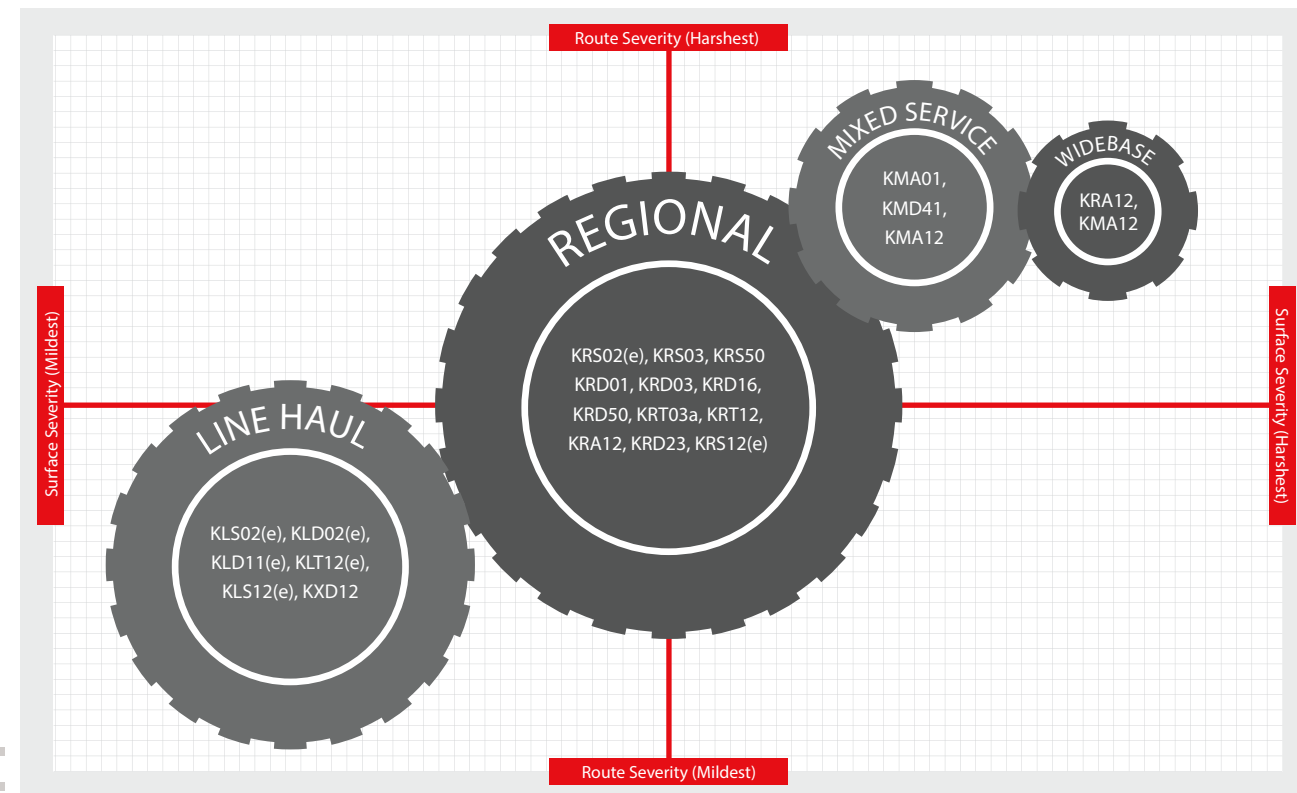
# KLS02(e)

The KLS02e utilizes design and engineering advancements to deliver improved steering stability, even tread wear and maximum mileage over the life of the tire.

## BENEFITS & TECHNOLOGY

- Outstanding wet handling performance, provided by the five-rib, multi-sipe tread design
- Stabilized footprint pressure and better wear because of optimized belt widths
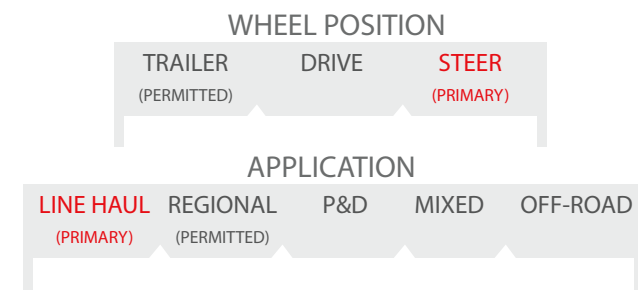- Increased heat dissipation at the belt edge and minimized irregular wear are advantages of the top decoupling groove design
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| (PRIMARY) | (PERMITTED) | | | |

SmartWay VERIFIED — ENERGY SAVING

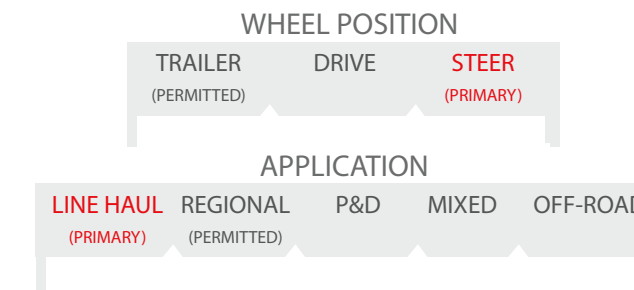| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2140923 | 11R22.5 | 14 Ply/G | 8.25 | 6175 | 5840 | 105 | 41.3 | 10.9 | 7.50 | 18.0 | 503 | 75 | 121.9 |
| 2203633 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 41.3 | 10.9 | 7.50 | 18.0 | 503 | 75 | 121.9 |
| 2141013 | 11R24.5 | 14 Ply/G | 8.25 | 6610 | 6005 | 105 | 43.3 | 10.9 | 7.50 | 18.0 | 480 | 75 | 130.1 |
| 2141043 | 285/75R24.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 41.4 | 10.8 | 7.50 | 18.0 | 502 | 75 | 119.5 |

# KLS12(e)

The KLS12(e) is equipped with an advanced design and engineering characteristics that allows for higher mileage, low rolling resistance and durability in line haul steer applications.

## BENEFITS & TECHNOLOGY

- Advanced decoupling groove design for resistance to cracking and tearing at the groove
- Stiff shoulder blocks and balanced distribution of contact pressure for lower rolling resistance and even wear
- Staggered interior tread design for prevention of stone drilling and heat dispersion
- Staggered interior tread design for prevention of stone drilling and heat dispersion

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| (PRIMARY) | (PERMITTED) | | | |

SmartWay VERIFIED — ENERGY SAVING

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2246203 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 40.3 | 11.0 | 8.3 | 19.0 | 500 | 75 | 115.4 |
| 2301843 | 295/75R22.5 | 16 Ply/G | 9.00 | 7160 | 6610 | 120 | 40.3 | 11.0 | 8.3 | 19.0 | 500 | 75 | 115.4 |

# KLD02(e)

The KLD02(e) is a long running, maximum mileage tire. Advancements in casing and tread technology place it at the top of the list for line-haul and regional drive applications.

## BENEFITS & TECHNOLOGY

- Outstanding traction and wear resistance are provided by the closed shoulder ribs with intermediate support blocks design
- Excellent wet and dry traction due to its 30/32" molded rib/lug pattern and aggressive center rib buttons
- Increased high-speed stability achieved through advanced casing profile, which improves overall contact pressure
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention

### WHEEL POSITION

| TRAILER | DRIVE (PRIMARY) | STEER |

### APPLICATION

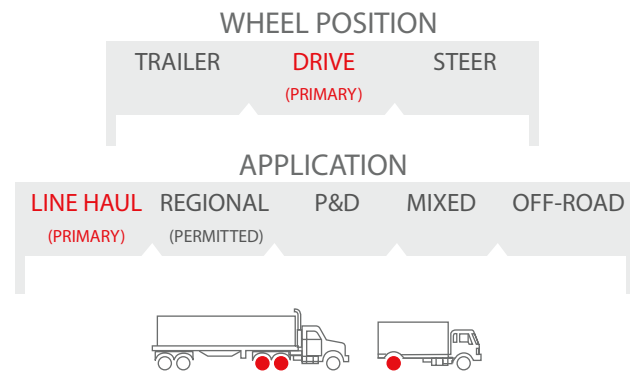| LINE HAUL (PRIMARY) | REGIONAL (PERMITTED) | P&D | MIXED | OFF-ROAD |

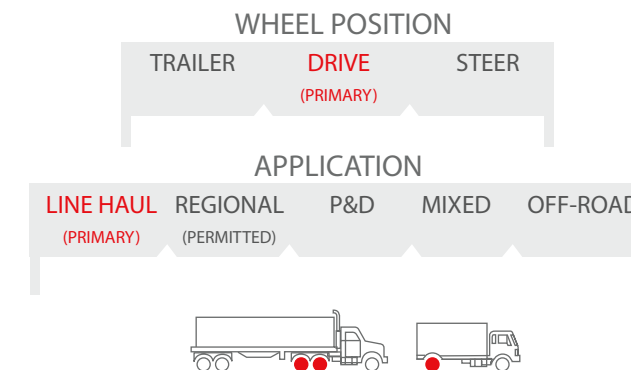| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2106913 | 11R22.5 | 14 Ply/G | 8.25 | 6175 | 5840 | 105 | 42.1 | 10.9 | 7.50 | 30.0 | 494 | 75 | 129.0 |
| 2144903 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 41.1 | 11.3 | 8.25 | 30.0 | 506 | 75 | 125.7 |
| 2301303 | 11R24.5 | 16 Ply/H | 8.25 | 7160 | 6610 | 120 | 42.1 | 10.9 | 7.50 | 30.0 | 479 | 75 | 138.0 |
| 2104753 | 285/75R24.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 42.2 | 10.7 | 7.50 | 30.0 | 492 | 75 | 125.8 |

# KLD11(e)

KLD11e is intended to give longer mileage and better durability for any road it travels on. This product will perform and give great traction in any weather conditions it is faced with.

## BENEFITS & TECHNOLOGY

- Provides more uniform wear and improves fuel economy.
- Enhanced block stiffness to improve mileage.
- Provides traction in all weather conditions.
- Minimizes tread block edge wear and prevents irregular wear.
- Designed for a longer tread life and lower rolling resistance.

### WHEEL POSITION

| TRAILER | DRIVE (PRIMARY) | STEER |

### APPLICATION

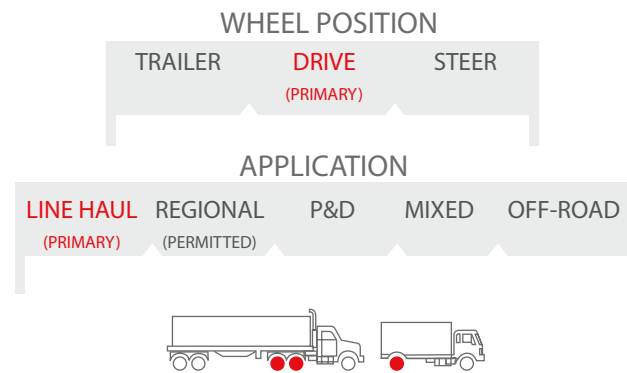| LINE HAUL (PRIMARY) | REGIONAL (PERMITTED) | P&D | MIXED | OFF-ROAD |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2301283 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 41.7 | 10.8 | 7.50 | 26.0 | 484 | 75 | 123.5 |
| 2245933 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 40.8 | 11.5 | 8.25 | 26.0 | 490 | 75 | 116.0 |
| 2301293 | 11R24.5 | 16 Ply/H | 8.25 | 7160 | 6610 | 120 | 43.5 | 10.9 | 7.50 | 26.0 | 463 | 75 | 131.5 |
| 2261353 | 285/75R24.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 41.9 | 10.9 | 7.50 | 26.0 | 495 | 75 | 122.0 |

# KXD12(e)

Engineered to achieve higher mileage and balanced wear, the KXD12(e) features a specialized compound for lower rolling resistance and inner zig-zag siping for confident all-season traction and control.

## BENEFITS & TECHNOLOGY

- Application of 1,188 sipes for all-season driving capabilities
- Semi-block tread pattern design with balanced contact pressure provides even wear characteristics and enhanced traction
- Groove layout designed to prevent stone drilling
- Enhanced fuel efficiency and tread life due to the application of a low rolling resistance compound

### WHEEL POSITION

TRAILER    DRIVE    STEER
         (PRIMARY)

### APPLICATION

LINE HAUL    REGIONAL    P&D    MIXED    OFF-ROAD
(PRIMARY)    (PERMITTED)

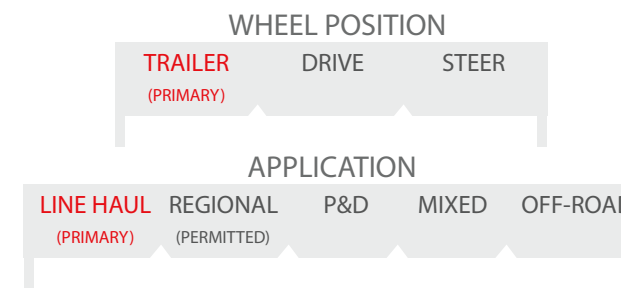| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2283603 | 11R24.5 | 16 Ply/G | 8.25 | 7160 | 6610 | 120 | 43.6 | 10.8 | 7.50 | 25.5 | 463 | 75 | 134.8 |
| 2278553 | 11R22.5 | 16 Ply/G | 8.25 | 6610 | 6005 | 120 | 41.6 | 10.8 | 7.50 | 25.5 | 485 | 75 | 126.6 |
| 2278563 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 40.6 | 11.2 | 8.25 | 24.2 | 497 | 75 | 124.7 |

# KLT12(e)

Designed primarily as an over-the-road trailer tire, the KLT12e delivers low rolling resistance, minimized shoulder wear and longer mileage.

## BENEFITS & TECHNOLOGY

- Cut and chip resistant and balanced wear
- Wide and deep tread with balanced contact patch for high mileage
- Application of angled square grooves to prevent abnormal wear

### WHEEL POSITION

TRAILER    DRIVE    STEER
(PRIMARY)

### APPLICATION

LINE HAUL    REGIONAL    P&D    MIXED    OFF-ROAD
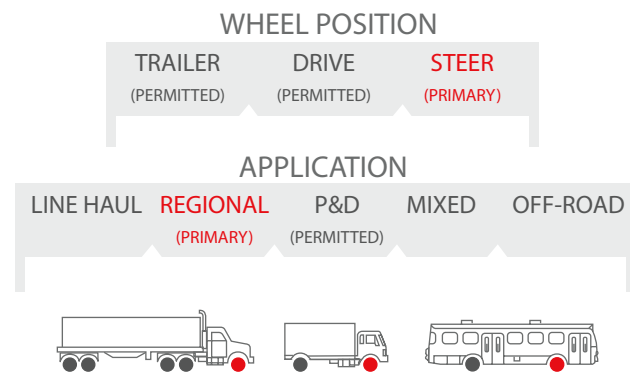(PRIMARY)    (PERMITTED)

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2246223 | 11R22.5 | 14 Ply/G | 8.25 | 6175 | 5840 | 105 | 40.8 | 10.9 | 7.50 | 13.5 | 509 | 75 | 105.8 |
| 2176123 | 295/75R22.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 39.8 | 10.9 | 7.50 | 13.0 | 522 | 75 | 107.2 |
| 2253313 | 11R24.5 | 14 Ply/G | 8.25 | 6610 | 6005 | 105 | 44.1 | 10.9 | 7.50 | 13.5 | 483 | 75 | 113.2 |
| 2246213 | 285/75R24.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 40.9 | 10.6 | 7.50 | 13.5 | 508 | 75 | 104.9 |

# KRS02(e)

A premium regional steer tire, the KRS02(e) features Tread Centering Groove Technology (TCG) for improved performance and tread wear uniformity. This outstanding all-position use tire was designed and engineered to meet the demanding requirements of regional and pickup and delivery applications.

## BENEFITS & TECHNOLOGY

- Outstanding general purpose performance and all-position capable, featuring a non-decoupling groove and five-rib design
- Engineered and constructed for a long, original tread life with an improved 20/32 tread design
- Accurate toe-in setting provided by Tread Centering Groove Technology (TCG)
- Kumho SmartWay verified tires use special, low rolling resistance tread cap & base compounds to improve wear and fuel economy

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | (PERMITTED) | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| | (PRIMARY) | (PERMITTED) | | |

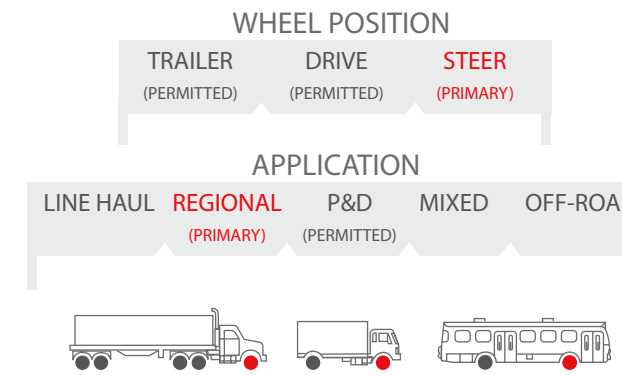| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2278673 | 7.5R16 | 14 Ply/G | 6.00 | 3305 | 3195 | 105 | 31.7 | 8.1 | 5.50 | 14.0 | 659 | 75 | 57.1 | |
| 1649613 | 10R22.5 | 14 Ply/G | 7.50 | 5680 | 5360 | 115 | 40.2 | 9.9 | 7.50 | 18.0 | 517 | 75 | 106.5 | SmartWay |
| 1662513 | 285/75R24.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 41.6 | 10.6 | 7.50 | 20.0 | 500 | 75 | 121.1 | SmartWay |
| 2173423 | 12R22.5 | 16 Ply/H | 9.00 | 7390 | 6780 | 120 | 42.8 | 11.5 | 8.25 | 20.0 | 485 | 75 | 135.0 | |
| 2144923 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 40.4 | 10.9 | 7.50 | 20.0 | 514 | 75 | 116.0 | SmartWay |

# KRS12(e)

The ideal steer tire for commercial trucks, the KRS12(e) is designed to perform in tough regional driving conditions with cut and chip resistance and enhanced durability features.

## BENEFITS & TECHNOLOGY

- Application of a zig-zag circumferential groove design for increased traction and braking performance
- Designed with a notched groove base to prevent cracking and stone drilling
- Optimized rib width ratio for event contact pressure distribution and enhanced shoulder block rigidity
- Designed with an anit-cut and chip resistant compound

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | (PERMITTED) | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| | (PRIMARY) | (PERMITTED) | | |

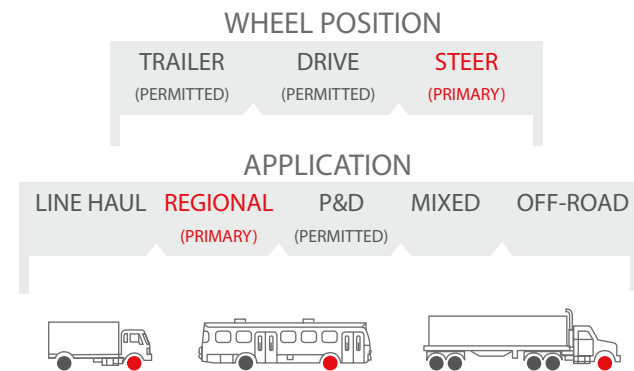| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2245583 | 255/70R225 | 16 Ply/G | 7.50 | 5510 | 5070 | 120 | 36.5 | 9.6 | 8.75 | 18.9 | 553 | 75 | 123.5 | SmartWay |
| 2245593 | 11R225 | 16 Ply/G | 8.25 | 6610 | 6005 | 120 | 41.3 | 10.9 | 7.50 | 19.5 | 488 | 75 | 134.8 | SmartWay |
| 2278683 | 295/75R22.5 | 16 Ply/G | 9.00 | 7160 | 6610 | 120 | 40.4 | 11.0 | 8.25 | 19.5 | 499 | 75 | 93.7 | SmartWay |
| 2283583 | 11R245 | 16 Ply/G | 8.25 | 7160 | 6610 | 120 | 43.4 | 10.9 | 7.50 | 19.5 | 465 | 75 | 128.8 | SmartWay |

# KRS03

The KRS03 is the perfect choice for regional and pickup and delivery applications. This all-position rib tire was designed ideally for small and medium duty trucks using 19.5" and 22.5" tires.

## BENEFITS & TECHNOLOGY

- Reduces progress of irregular wear due to lateral multi-sipes in the straight ribs
- Improved hydroplaning resistance and wet traction from S-shaped sipes in straight ribs
- Better traction and less stone holding is enhanced by variable geometry groove edges
- Excellent cost-per-mile, outstanding stability and confident handling, benefits of a wide, deep and efficient tread pattern

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | (PERMITTED) | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| | (PRIMARY) | (PERMITTED) | | |

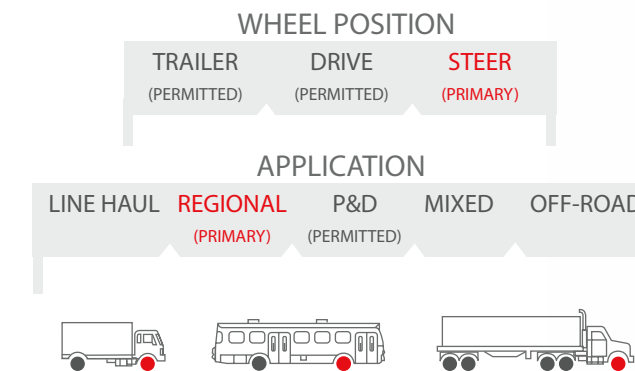| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2129753 | 225/70R19.5 | 14 Ply/G | 6.75 | 3970 | 3750 | 110 | 31.9 | 8.7 | 7.50 | 16.0 | 652 | 75 | 66.0 |
| 1693213 | 245/70R19.5 | 14 Ply/G | 7.50 | 4540 | 4375 | 110 | 33.4 | 9.5 | 7.50 | 17.0 | 622 | 75 | 79.6 |
| 1646013 | 275/70R22.5 | 16 Ply/H | 8.25 | 6945 | 6395 | 125 | 38.0 | 10.8 | 7.50 | 20.0 | 547 | 75 | 109.6 |
| 1645913 | 315/80R22.5 | 20 Ply/L | 9.00 | 9000 | 8270 | 130 | 42.4 | 12.1 | 9.00 | 20.0 | 490 | 75 | 145.2 |

# KRS50

Designed for increased mileage performance and ultimate durability, the KRS50 is the ideal choice for regional pickup and delivery applications.

## BENEFITS & TECHNOLOGY

- Stiff block construction for stable driving performance and increased mileage
- Increased durability achieved through an enhanced belt structure design.
- Ungraded compound and construction for enhanced mileage and cut/chip resistance.

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | (PERMITTED) | (PRIMARY) |

### APPLICATION

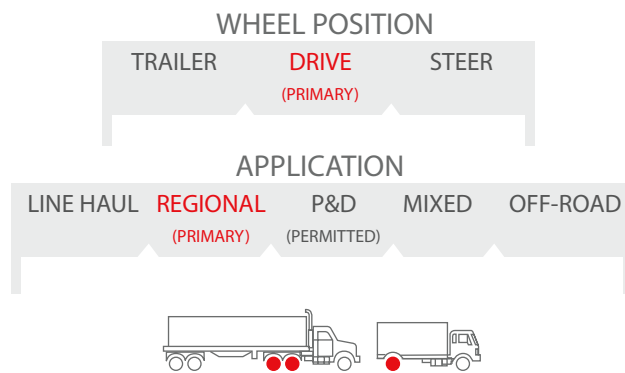| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| | (PRIMARY) | (PERMITTED) | | |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2244943 | 215/75R17.5 | 14 Ply/G | 6.00 | 3970 | 3750 | 115 | 30.5 | 8.3 | 6.75 | 16.0 | 681 | 75 | 63.3 |

# KRD01

The KRD01 was specifically designed and engineered for maximum tread life and long performance in high scrub, fast wear applications. A great choice for regional and pickup and delivery use, the tire`s wider and flatter tread arc produces improved and more uniform tread wear characteristics.

## BENEFITS & TECHNOLOGY

· Improved durability and overall wear because of a new mold shape featuring a flatter tread radius

· Low running temps and long wear are achieved through improved compounding and an extra deep 28/32" tread pattern

· Even wear is optimized by a solid shoulder and center lug design

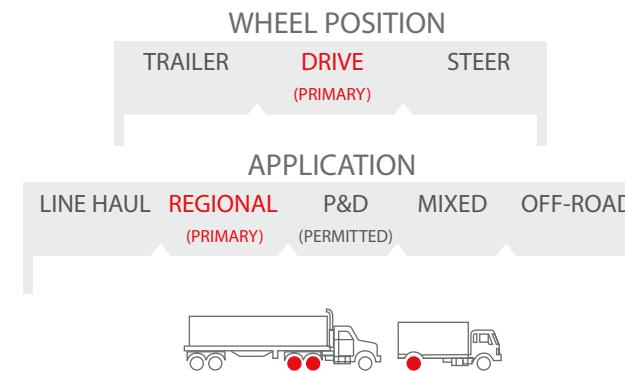· Minimized stone holding and drilling, the benefits of engineered stone protectors

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---------|-------|-------|
|         | (PRIMARY) |   |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|-----------|----------|-----|-------|----------|
|           | (PRIMARY) | (PERMITTED) |  |  |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1628113 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 41.9 | 10.9 | 7.50 | 28.0 | 496 | 75 | 129.9 |
| 1658013 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 40.9 | 11.0 | 7.50 | 28.0 | 508 | 75 | 119.4 |
| 1648113 | 11R24.5 | 16 Ply/H | 8.25 | 7160 | 6610 | 120 | 43.9 | 10.9 | 7.50 | 28.0 | 473 | 75 | 138.4 |
| 1657913 | 285/75R24.5 | 14 Ply/G | 8.25 | 6175 | 5675 | 110 | 42.1 | 10.6 | 7.50 | 28.0 | 494 | 75 | 124.4 |

# KRD03

The KRD03 is a full 26/32" deep tread, open shoulder tire that was designed to provide excellent traction and high original tread mileage in faster wearing applications. Engineered with close-packed, high-density center elements for maximized grip, tread wear and durability.

## BENEFITS & TECHNOLOGY

· Sturdy, wear-and-tear resistant tread block engineering

· Long-term casing life and performance, benefits of high strength, flex and fatigue resistant ply wire construction

· Exceptional casing stability and tread wear due to full, four belt design

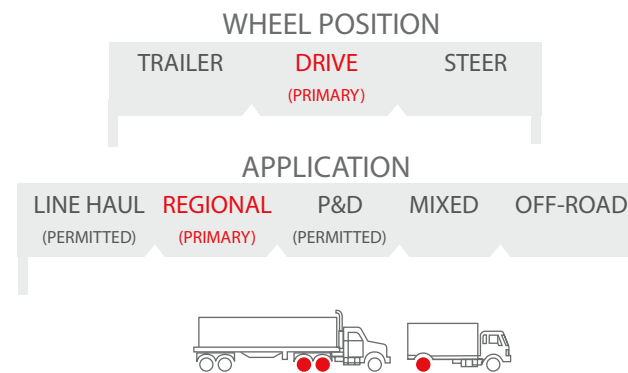· High net-to-gross block design with wide TAW

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---------|-------|-------|
|         | (PRIMARY) |   |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|-----------|----------|-----|-------|----------|
|           | (PRIMARY) | (PERMITTED) |  |  |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1683213 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 41.8 | 10.9 | 7.50 | 27.0 | 497 | 75 | 128.5 |
| 1698813 | 11R24.5 | 16 Ply/H | 8.25 | 7390 | 6780 | 120 | 43.8 | 10.9 | 7.50 | 27.0 | 474 | 75 | 137.0 |

# KRD23

The ideal regional drive tire for commercial trucks, the KRD23 was designed to provide high mileage capabilities with even wear and durability to withstand regional driving conditions.

## BENEFITS & TECHNOLOGY

- The innovative later main groove design and application of shoulder tie-bars provide outstanding traction and high mileage

- Zig-zag center block arrangement creates even contact pressure distribution to facilitate even wear characteristics

- The woven longitudinal groove design and tie-bars minimize block movement to prevent heel and toe wear and stone drilling

- o     Application of anti-cutting TWI pins on the tread ribs provide flexibility to side forces as well a cut and chip resistance

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---------|-------|-------|
|         | (PRIMARY) |     |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|-----------|----------|-----|-------|----------|
| (PERMITTED) | (PRIMARY) | (PERMITTED) | | |

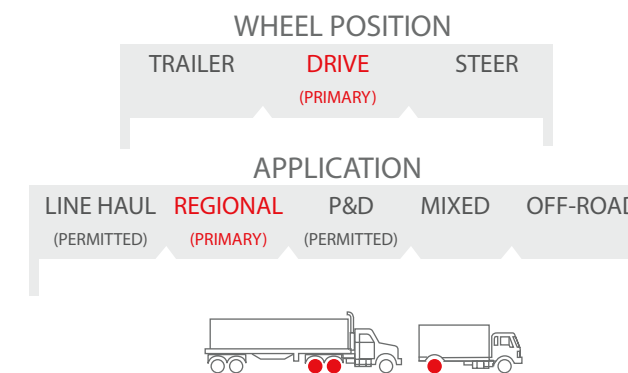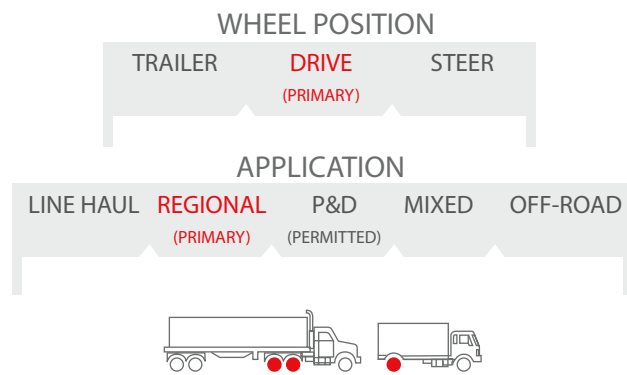| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2243943 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 42.1 | 10.9 | 7.50 | 28.0 | 479 | 75 | 132.6 |

# KRD16

The KRD16 features a deep tread pattern for extended tread wear and excellent CPK. A heat-resistant compound reduces uneven wear and extends casing life. This tire is suited to heavy load applications.

## BENEFITS & TECHNOLOGY

- Deep and wide tread design to provide outstanding performance and extended tread life

- Maximum wear and grip with open shoulder

- Multi-pitch tread pattern for low noise

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---------|-------|-------|
|         | (PRIMARY) |     |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|-----------|----------|-----|-------|----------|
| (PERMITTED) | (PRIMARY) | (PERMITTED) | | |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2262193 | 225/70R19.5 | 14 Ply/G | 6.75 | 3970 | 3750 | 110 | 32.3 | 8.8 | 7.50 | 19.5 | 643 | 75 | 66.7 |

# KRD50

With an all new tread design, the KRD50 has improved cut & chip resistance along with excellent forward traction on both highway and off-road surfaces. The innovative compound is formulated to maximize tread wear performance.

## BENEFITS & TECHNOLOGY

- Cut and chip resistant and balanced wear
- Wide and deep tread with balanced contact patch for high mileage
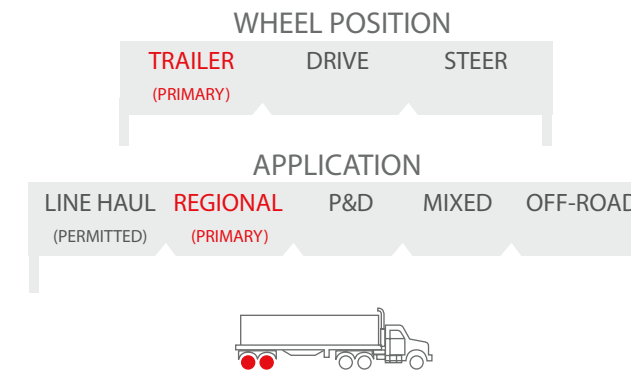- Application of angled square grooves to prevent abnormal wear

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
| --- | --- | --- |
| | (PRIMARY) | |

### APPLICATION

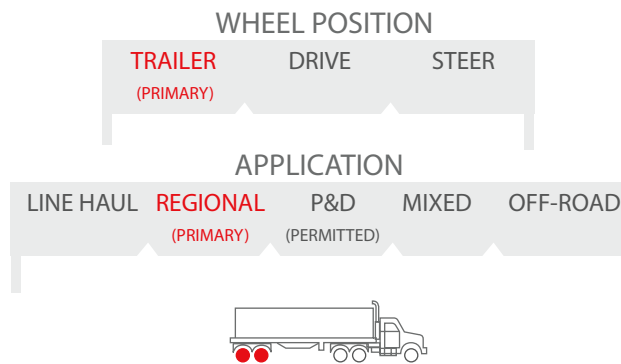| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
| --- | --- | --- | --- | --- |
| | (PRIMARY) | (PERMITTED) | | |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2141483 | 245/70R19.5 | 16 Ply/H | 7.50 | 5070 | 4850 | 120 | 33.6 | 10.2 | 7.50 | 19.0 | 595 | 75 | 88.5 |

# KRT03a

The KRT03a is set to provide excellent traction and removal mileage. It is also geared to improve your fuel economy and has even wear and casing durability for retreading.

## BENEFITS & TECHNOLOGY

- Deep and wide tread design enhances mileage and provides even wear
- Application of stone ejectors in all grooves for effective clearing of debris
- Optimized tread design and construction to provide even load distribution
- Cut and chip resistant compound to enhance durability

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
| --- | --- | --- |
| (PRIMARY) | | |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
| --- | --- | --- | --- | --- |
| (PERMITTED) | (PRIMARY) | | | |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 2146833 | 215/75R17.5 | 16 Ply/H | 6.00 | 4805 | 4540 | 125 | 30.5 | 8.5 | 7.50 | 16.0 | 681 | 62 | 64.6 |
| 2152753 | 235/75R17.5 | 18 Ply/J | 6.75 | 6005 | 5675 | 125 | 31.5 | 9.4 | 7.50 | 16.0 | 660 | 62 | 74.3 |
| 2281003 | 255/70R22.5 | 16 Ply/H | 7.50 | 5510 | 5070 | 120 | 36.4 | 9.7 | 6.80 | 16.0 | 554 | 75 | 93.5 |

# KRT12

This product is an improved high-capacity trailer tire. The KRT12 is intended for high load service in both regional and P&D applications.

## BENEFITS & TECHNOLOGY

- Optimized flatter tread radius to enhance mileage and provide even contact pressure to avoid irregular wear
- Wide 3x5 rib style tread pattern with increased shoulder rigidity
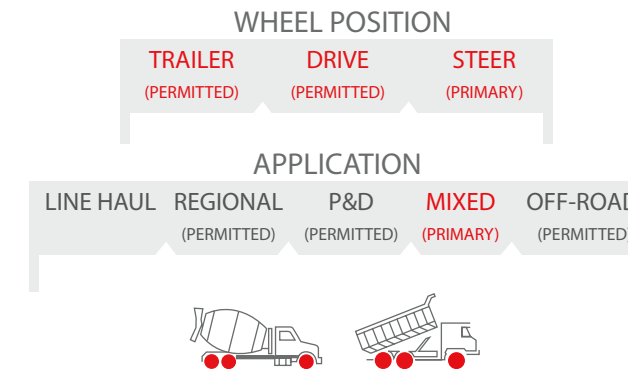- Designed to withstand high-scrub conditions

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---|---|---|
| (PRIMARY) | | |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| | (PRIMARY) | (PERMITTED) | | |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2210203 | 11R22.5 | 14 Ply/G | 8.25 | 6175 | 5840 | 105 | 40.9 | 10.9 | 7.50 | 17.0 | 508 | 75 | 110.3 |
| 2219263 | 295/75R22.5 | 14 Ply/G | 9.00 | 6175 | 5675 | 110 | 40.0 | 10.9 | 7.50 | 16.0 | 520 | 75 | 107.3 |
| 2210233 | 11R24.5 | 14 Ply/G | 8.25 | 6610 | 6005 | 105 | 43.0 | 10.9 | 7.50 | 17.0 | 483 | 75 | 118.0 |

# KMA01

The KMA01 is a purpose-built on/off road tire that provides excellent cut and chip resistant as well as exceptional overall wear characteristics. With a sturdy four-rib design, the primary wheel positions for the KMA01 are steer and trailer.

## BENEFITS & TECHNOLOGY

- Driving stability and increased removal mileage are provided by superior bead strength and tire uniformity
- Enhanced casing integrity and uniformity are the results of an advanced belt package, providing higher retread quality
- Excellent removal mileage, the benefit of a durable, cut and chip resistant compound molded into a closed shoulder and block pattern
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention

### WHEEL POSITION

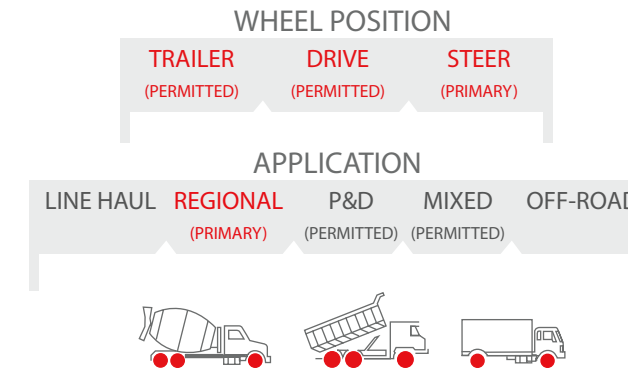| TRAILER | DRIVE | STEER |
|---|---|---|
| (PERMITTED) | (PERMITTED) | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|---|---|---|---|---|
| | (PERMITTED) | (PERMITTED) | (PRIMARY) | (PERMITTED) |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1804813 | 315/80R22.5 | 20 Ply/L | 9.00 | 10200 | 9090 | 130 | 42.7 | 12.1 | 9.00 | 23.0 | 487 | 68 | 155.9 |
| 1825913 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 41.6 | 10.9 | 7.50 | 23.0 | 500 | 68 | 128.1 |
| 1826013 | 11R24.5 | 16 Ply/H | 8.25 | 7160 | 6610 | 120 | 44.1 | 10.9 | 7.50 | 23.0 | 471 | 68 | 136.3 |

# KMD41

The KMD41 was designed using Kumho Tire's ICOS(Integrated Component Optimization System). This proprietary technology optimizes tire casing shape, which redirects stress in critical areas. The result is maximum durability in a true mixed-service tire that delivers long tread life at highway speeds.

## BENEFITS & TECHNOLOGY

- Engineered for mixed service, non-speed restricted highway use - max 68 mph
- Maximum traction and tread wear performance from the aggressive 31/32" multi-lug design
- Long, even wear in the drive axle position due to its optimized tread radius
- Outstanding resistance to cutting and chipping, benefits of a new compound technology
- Enhanced retreadability comes from groove bottom protectors designed to prevent stone drilling and stone retention

### WHEEL POSITION

TRAILER | DRIVE (PRIMARY) | STEER

### APPLICATION

LINE HAUL | REGIONAL | P&D | MIXED (PRIMARY) | OFF-ROAD (PERMITTED)

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2147103 | 11R22.5 | 16 Ply/H | 8.25 | 6610 | 6005 | 120 | 42.0 | 10.9 | 7.50 | 30.0 | 495 | 68 | 130.9 |
| 2147123 | 11R24.5 | 16 Ply/H | 8.25 | 7160 | 6610 | 120 | 44.1 | 10.9 | 7.50 | 30.0 | 471 | 68 | 139.5 |

# KRA12

The KRA12 is available in wide-base sizes and features an aggressive 6-rib tread pattern with large, full depth tread sipes. This tire will deliver increased mileage, endurance, and better traction versus other regional truck tires.

## BENEFITS & TECHNOLOGY

- Robust under tread to resist cutting and stone damage
- Improved durability and resistance to uneven wear
- Six-rib design to provide excellent tread wear and traction

### WHEEL POSITION

TRAILER (PERMITTED) | DRIVE (PERMITTED) | STEER (PRIMARY)

### APPLICATION

LINE HAUL | REGIONAL (PRIMARY) | P&D (PERMITTED) | MIXED (PERMITTED) | OFF-ROAD

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2218513 | 385/65R22.5 | 18 Ply/J | 11.75 | 9370 | - | 120 | 42.1 | 15.0 | 11.75 | 20.0 | 494 | 75 | 165.9 |
| 2218503 | 425/65R22.5 | 20 Ply/L | 12.25 | 11355 | - | 120 | 44.3 | 16.6 | 11.75 | 20.0 | 469 | 68 | 188.1 |

# KMA12

The KMA12 is resistant to stone retention and drilling with an application of dual tie-bars and balanced footprint to provide durability and longer tread life. With an improved block design comes enhanced braking and traction performance.

## BENEFITS & TECHNOLOGY

- Tread compound formulated to resist cutting and chipping
- Wide and reinforced chafer minimizes deformation of the bead area
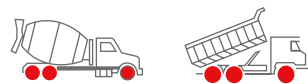- Application of 'zig-zag' groove design for excellent 'stop and go' performance

### WHEEL POSITION

| TRAILER | DRIVE | STEER |
|---------|-------|-------|
| (PERMITTED) | (PERMITTED) | (PRIMARY) |

### APPLICATION

| LINE HAUL | REGIONAL | P&D | MIXED | OFF-ROAD |
|-----------|----------|-----|-------|----------|
| | (PERMITTED) | (PERMITTED) | (PRIMARY) | (PERMITTED) |

| Product Code | Tire Size | Ply Rating/ Load Range | Measuring Rim Width | Max Load (lbs) @ Cold Infl. Pressure (psi) Single | Max Load (lbs) @ Cold Infl. Pressure (psi) Dual | Max Inflation Pressure (psi) | Diam. (in) | Section Width (in) | Approved Rim Width | Tread Depth (1/32") | RPM | Max Speed (mph) | Weight |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 2116463 | 385/65R22.5 | 20 Ply/L | 11.75 | 9920 | - | 130 | 42.4 | 15.0 | 12.30 | 23.0 | 493 | 68 | 176.7 |
| 2259163 | 425/65R22.5 | 20 Ply/L | 12.25 | 11400 | - | 120 | 44.6 | 16.2 | 13.00 | 24.0 | 469 | 68 | 187.4 |
| 2278783 | 445/65R22.5 | 20 Ply/L | 13.00 | 12300 | - | 120 | 45.8 | 17.4 | 14.00 | 23.0 | 456 | 68 | 205.5 |

# WARRANTY POLICIES

CONSUMER LIMITED WARRANTY FOR KUMHO & MARSHAL BRAND
MEDIUM COMMERCIAL TRUCK TIRES

## I. WHAT IS WARRANTED AND WHO IS ELIGIBLE UNDER THIS WARRANTY

Kumho Tire U.S.A. Inc., 133 Peachtree St NE, Suite 2800, Atlanta, GA
30303, warrants to the original consumer purchaser that all KUMHO
replacement radial tires either directly or through an authorized
KUMHO dealer, and which are mounted on vehicles within the U.S.A.,
and becomes unserviceable for any reason within the manufacturers
control, such tire will be replaced with an equivalent KUMHO tire OR
one that Kumho approves. This warranty only applies if the following
requirements are met:

- The tire is size, load rating, and speed rating that the vehicle
  manufacturer states.
- The tire has not become unserviceable due to any condition listed
  under WHAT IS NOT COVERED BY THE WARRANTY.

WHAT IS COVERED BY THE WARRANTY AND HOW LONG:

The life of the original usable tread has worn down to 2/32" remaining
(worn down to the built-in indicators in the tread grooves) before
5 years (6 years for KLS02e, KLD11e, KLD02 (e), KLD01e and
KLT12e patterns) from the date of manufacture or purchase date
for commercial truck tires (whichever comes first), any new tire
manufactured by Kumho Tire Co., Inc. covered by this warranty becomes
unserviceable due to a material or workmanship condition, KUMHO will
do either of the following:

A. During the first 2/32" of the original usable tread, Kumho will
   replace such tire with a comparable new KUMHO or Marshal tire free
   of charge. Applicable taxes on the new tire, and costs of mounting
   and balancing and any other service charges are required to be paid
   by the owner.

B. After the first 2/32" of the original usable tread, a credit percentage
   will be given toward the purchase price of a comparable new Kumho
   or Marshal tire effective at the time of adjustment. Applicable taxes
   on the new tire and costs of mounting and balancing service are
   required to be paid by the owner.

   To obtain the credit percentage, please refer to the Adjustment
   Credit Percentage Table on page 43 or utilize the following example:

   R.T.D.: Remaining Tread Depth
   O.T.D.: Original Tread Depth

   If R.T.D. = 10 and O.T.D = 20, the calculation is
   (10-2: remaining useable tread depth) ÷
   (20-2: original useable tread depth) = 44%

C. Adjustment on ride complaint or out-of-round is allowed only during
   the first 2/32" of the original tread depth or 1 year from purchase
   date (proof of purchase required) whichever comes first.

## II. CASING CREDIT

1. Casing of KUMHO radial commercial truck tires are warranted to
   remain serviceable through the second retreaded life for 66 months
   from the date of manufacture.

2. KLS02e, KLD11e, KLD02 (e), KLD01e and KLT12e casing warranty is
   valid through the second retreaded life for 72 months from the date
   of manufacture.

3. If an examination by KUMHO shows that a casing of a KUMHO radial
   truck tire delivers unsatisfactory service due to factors within the
   manufacturer's control, KUMHO will give a credit toward the purchase
   price of a comparable new KUMHO tire in the amount indicated in the
   Casing Credit table.

| Tire Size: | Casing Value | Tire Size: | Casing Value |
|---|---|---|---|
| 7.50R16 | $30.00 | 12.00R24 | $50.00 |
| 215/75R17.5 | $30.00 | 12R22.5 | $80.00 |
| 235/75R17.5 | $30.00 | 315/80R22.5 | $80.00 |
| 225/70R19.5 | $30.00 | 385/65R22.5 | $80.00 |
| 245/70R19.5 | $30.00 | 425/65R22.5 | $80.00 |
| 265/70R19.5 | $30.00 | 445/65R22.5 | $80.00 |
| 255/70R22.5 | $50.00 | 11R22.5 | $90.00 |
| 275/70R22.5 | $50.00 | 295/75R22.5 | $90.00 |
| 9.00R20 | $50.00 | 11R24.5 | $90.00 |
| 10R22.5 | $50.00 | 285/75R24.5 | $90.00 |
| 10.00R20 | $50.00 | | |

# CONTACT US

# NOTES

# NOTES