



UNDERGROUND HARD ROCK

OFF-THE-ROAD SOLUTIONS



BRIDGESTONE

Firestone

SPEC DATA

| Full Size | Corporate Brand | Tread Pattern | Material | Ply/Star Rating | Compound/ Construction | TRA/ Application |
|-----------|-----------------|---------------|----------|-----------------|------------------------|------------------|
| 12.00R20 | BS | VSMS | 150916 | ★★ | D2A | L-5S |
| 12.00R24 | BS | VSMS | 150924 | ★★ | D2A | L-5S |
| 14.00R20 | BS | VSNL | 157376 | ★★ | D2A | L-4 |
| 14.00R24 | BS | VSMS | 211240 | ★★ | D2A | L-5S |
| 14.5R15 | BS | VSDL | 152455 | ★★ | D2A | L-5 |
| 17.5R25 | BS | VSDL | 423165 | ★ | D2A | L-5 |
| 17.5R25 | BS | VSMS2 | 4724 | ★★ | D2A | L-5S |
| 18.00R25 | BS | VSMS | 422282 | ★★ | D2A | L-5S |
| 20.5R25 | BS | VSDL | 421855 | ★ | D2A | L-5 |
| 20.5R25 | BS | VSDR | 997 | ★★ | D2A | L-5 |
| 23.5R25 | BS | VSDL | 420565 | ★ | D2A | L-5 |
| 23.5R25 | BS | VSDL | 422428 | ★★ | D2A | L-5 |
| 23.5R25 | BS | VSDT | 423548 | ★ | D2A | L-5 |
| 26.5R25 | BS | VMDL | 012923 | ★★ SUB | L2A | LHD-5 |
| 26.5R25 | BS | VSDL | 420573 | ★ | D2A | L-5 |
| 26.5R25 | BS | VSDL | 421332 | ★★ | D2A | L-5 |
| 26.5R25 | BS | VSDT | 423955 | ★ | D2A | L-5 |
| 26.5R25 | BS | VSMS2 | 4604 | ★★ | D2A | L-5S |
| 26.5R25 | BS | VSMS2 | 11426 | ★★ SUB | L2A | LHD-5S |
| 26.5R25 | BS | VSNT | 423971 | MS | DE2 | E-4 / L-4 |
| 29.5R25 | BS | VSDL | 420581 | ★ | D2A | L-5 |
| 29.5R25 | BS | VSDL | 423432 | ★★ | D2A | L-5 |
| 29.5R25 | BS | VSDT | 424145 | ★★ | D2A | L-5 |
| 29.5R25 | BS | VSMS2 | 6392 | ★★ | D2A | L-5S |
| 29.5R25 | BS | VSNT | 424196 | MS | DE2 | E-4 / L-4 |
| 29.5R29 | BS | VMDL | 12946 | ★★ SUB | L2A | LHD-5 |
| 29.5R29 | BS | VSDL | 421758 | ★★ | D2A | L-5 |
| 29.5R29 | BS | VSDT | 424420 | ★★ | D2A | L-5 |
| 29.5R29 | BS | VSMS2 | 4605 | ★★ | D2A | L-5S |
| 29.5R29 | BS | VSMS2 | 12356 | ★★ SUB | L2A | LHD-5S |
| 29.5R29 | BS | VSNT | 3991 | ★★ | D2A | L-4 |
| 35/65R33 | BS | VSDT | 2111 | ★★ | D2A | L-5 |
| 35/65R33 | BS | VSNL | 429277 | ★★ | D2A | L-4 |
| 35/65R33 | BS | VSNT | 3789 | MT | DUH | E-4 / L-4 |
| 35/65R33 | BS | VSDL | 425010 | ★★ | D2A | E-4 / L-4 |
| 35/65R33 | BS | VSMS | 006394 | ★★ | D2A | L5-S |
| 8.25R15 | BS | VSDL | 424544 | ★★ | D2A | L-5 |
| 9.00R20 | BS | VSMS | 150908 | ★★ | D2A | L-5S |
| 12.00-24 | BS | STMS | 295256 | 20 | D2A | L-5S |
| 14.00-24 | BS | STMS | 263303 | 20 | D2A | L-5S |
| 17.5-25 | BS | STMS | 261289 | 20 | D2A | L-5S |
| 18.00-25 | FS | PTLD UMS | 416819 | 32 | UMS | L-5S |
| 18.00-25 | BS | STMS | 420972 | 32 | D2A | L-5S |
| 21.00-25 | FS | PTLD UMS | 416983 | 32 | UMS | L-5S |
| 26.5-25 | FS | PTLD UMS | 416568 | 32 | UMS | L-5S |
| 26.5-25 | BS | STMS | 275573 | 32 | D2A | L-5S |
| 26.5-25 | BS | STMS | 421863 | 36 | D2A | L-5S |
| 29.5-25 | FS | PTLD UMS | 430484 | 34 | UMS | L-5S |
| 29.5-29 | FS | PTLD UMS | 431776 | 34 | UMS CRC | L-5S |
| 29.5-29 | BS | STMS | 419095 | 34 | D2A | L-5S |
| 35/65-33 | BS | STMS | 424874 | 42 | D2V | L-5S |

SUBTERRANEAN LOAD-HAUL-DUMP [LHD] TIRE LINEUP

+15% Load capacity without increasing inflation pressure



VSMS2

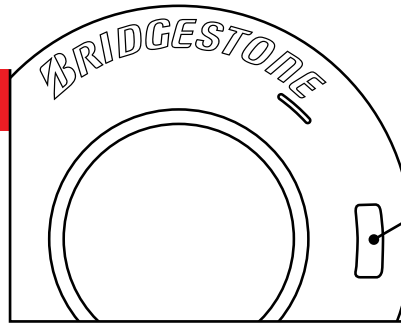
Subterranean LHD [LHD-5S]

Smooth pattern with ensured sidewall cut resistance

VMDL

Subterranean LHD [LHD-5]

Deep lug Pattern offering excellent traction



Subterranean LHD products show specifications on sidewall

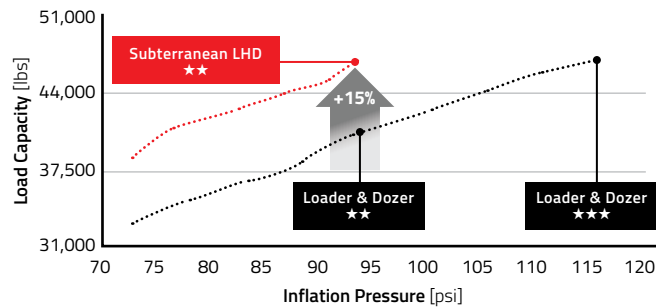


For Subterranean LHD

Use of this product other than for intended purposes is strictly prohibited.

- +15% load capacity vs. Loader & Dozer ★★ without increasing inflation pressure²
- Applicable to LHDs, including higher-load models (e.g. hybrid / electric / electric battery vehicles)
- Higher productivity (handles heavier loads)
- Less Downtime (reduced tire damage severity and shortened air filling time)

EXAMPLE: 26.5R25 Load and Inflation Table



² Subterranean LHD ★★ products which comply with the TRA-EDI standard have 15% more load capacity at the same 94 psi compared to Loader & Dozer ★★ products

Comparison based on Loader & Dozer ★★ products, Subterranean LHD ★★ products will enable users to gain +15% load capacity which is the same load capacity as Loader & Dozer ★★★ at 94 psi.

SPECIFICATIONS

| Size | Pattern | Star Rating | TRA | Type | Recommended rim / flange height | Approximate Inflated Dimensions [in / mm] | | | | OTD [32nds / mm] |
|---------|---------|-------------|--------|------|---------------------------------|---|------------|------------|------------|------------------|
| | | | | | | OD | OW | SLR | SLW | |
| 26.5R25 | VSMS2 | ★★ SUB | LHD-5S | T/L | 22.00 / 3.0 | 1775 / 69.9 | 704 / 27.7 | 786 / 30.9 | 789 / 31.1 | 120 / 95.0 |
| 26.5R25 | VMDL | ★★ SUB | LHD-5 | T/L | 22.00 / 3.0 | 1785 / 70.3 | 685 / 27.0 | 780 / 30.7 | 778 / 30.6 | 120 / 95.0 |
| 29.5R29 | VSMS2 | ★★ SUB | LHD-5S | T/L | 25.00 / 3.5 | 2006 / 79.0 | 793 / 31.2 | 892 / 35.1 | 870 / 34.3 | 132 / 104.5 |
| 29.5R29 | VMDL | ★★ SUB | LHD-5 | T/L | 25.00 / 3.5 | 2006 / 79.0 | 770 / 30.3 | 883 / 34.8 | 873 / 34.4 | 132 / 104.5 |

T/L : Tubeless, OD: Overall Diameter, OW: Overall Width, SLR: Static Loaded Radius, SLW: Static Loaded Width, OTD: Original Tread Depth

| Size | Pattern | TRA | STAR RATING | Inflation Pressure | psi kPa | ★ | | | | | | | | | | ★★ | | ★★★ | |
|---------|-------------------------------|-----|-------------|--------------------|---------|--------|--------|--------|--------|--------|--------|--------|--------|---------|---------|---------|---------|-----|--|
| | | | | | | 73 500 | 76 525 | 80 550 | 83 575 | 87 600 | 91 625 | 94 650 | 98 675 | 102 700 | 105 725 | 109 750 | 115 800 | | |
| 26.5R25 | LOADER / DOZER [CONVENTIONAL] | | ★ | psi | Kg | 15,000 | 15,500 | 16,000 | 16,500 | 17,500 | 18,000 | 18,500 | 19,000 | 19,500 | 20,000 | 20,600 | 21,200 | | |
| | | | | | Lbs | 33,100 | 34,200 | 35,300 | 36,400 | 37,500 | 39,683 | 40,800 | 41,900 | 43,000 | 44,100 | 45,400 | 46,700 | | |
| | Subterranean LHD | | ★★ | psi | Kg | 17,500 | 18,500 | 19,000 | 19,500 | 20,000 | 20,600 | 21,200 | | | | | | | |
| | | | | | Lbs | 38,600 | 40,800 | 41,900 | 43,000 | 44,100 | 45,400 | 46,700 | | | | | | | |
| 29.5R29 | LOADER / DOZER [CONVENTIONAL] | | ★ | psi | Kg | 19,500 | 20,000 | 20,600 | 21,200 | 22,400 | 23,000 | 23,600 | 24,300 | 25,000 | 25,750 | 26,500 | 27,250 | | |
| | | | | | Lbs | 43,000 | 44,100 | 45,400 | 46,700 | 49,400 | 50,700 | 52,000 | 53,600 | 55,100 | 56,800 | 58,400 | 60,000 | | |
| | Subterranean LHD | | ★★ | psi | Kg | 22,400 | 23,600 | 24,300 | 25,000 | 25,750 | 26,500 | 27,250 | | | | | | | |
| | | | | | Lbs | 49,400 | 52,000 | 53,600 | 55,100 | 56,800 | 58,400 | 60,000 | | | | | | | |

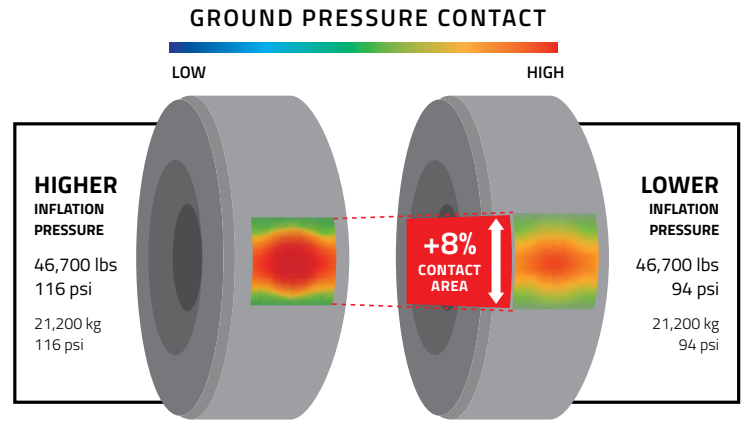
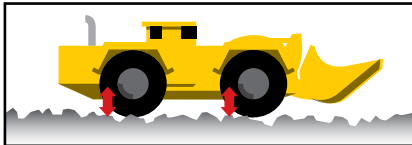
NOTES: - Based on cold inflation pressure

- Loader / Dozer [Conventional] refers to the Loader & Dozer standard registered in the TRA

- Subterranean LHD stands for the Subterranean Load-Haul-Dump service standard registered in the JATMA-Annex3 and the TRA-EDI

LHD PRODUCT BENEFITS OF LOWER INFLATION PRESSURE

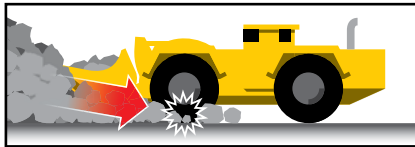
- Strengthened grip with a large ground contact area
- Reduced cut risk due to easy enveloping rocks and stones
- Improved riding comfort and less vibration by absorbing shocks on rough roads



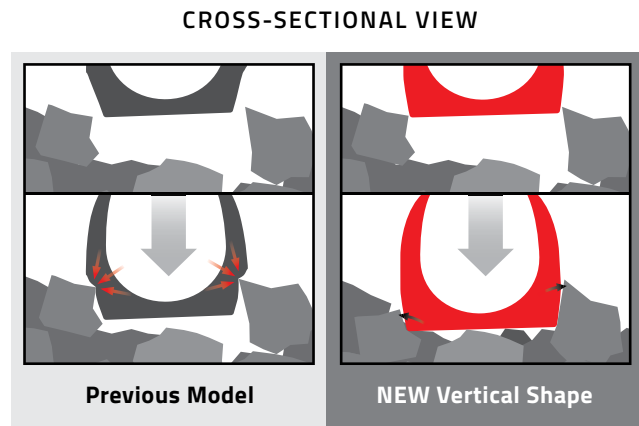
- Result of FEM analysis for 26.5R25 VSMS2
- At a lower inflation pressure, the ground contact area expands and the applied load is dispersed, resulting in various benefits such as reduced cut risk and strengthened grip.

ENHANCED SIDEWALL CUT RESISTANCE [SMOOTH PATTERN ONLY]

Sidewall cuts tend to occur during loading. The more vertical shape reduces the chance of damage and leads to an extension of the total lifespan.



Sidewall Damaged



TECHNOLOGY OF SUBTERRANEAN LHD PRODUCTS



Wider outer belt provides higher resistance to tread cut³

³ VSMS2 Loader & Dozer products are already equipped with the wider outer belt.

Strengthened bead structure to carry +15% heavier loads



BRIDGESTONE OFF-THE-ROAD SOLUTIONS

Intelligent Products

The Bridgestone Off-The-Road lineup offers innovative tread patterns and compounds designed for various surfaces and applications, providing reliable performance so customers can maximize job-site productivity.



Integrated Technologies

Bridgestone Mobility Solutions provide customers data-driven technologies to help manage their life-cycle assets, get real-time pressure and temperature insights to help reduce downtime, optimize total cost of ownership and maximize productivity.

Tire Monitoring Services

IntelliTire

Tire Monitoring Solutions with IntelliTire:

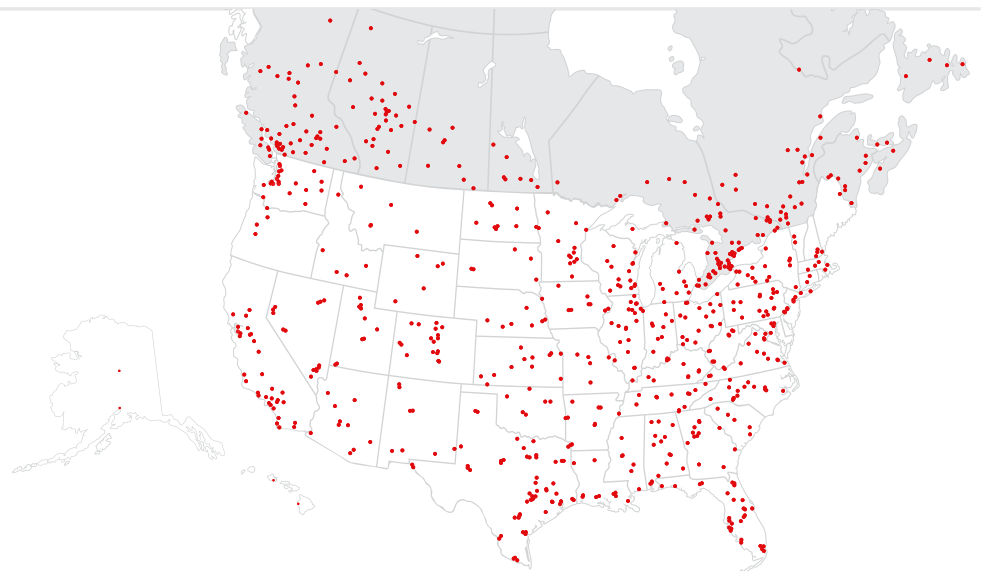
An advanced real-time tire pressure and temperature monitoring solution for nearly any OTR tire from any tire manufacturer that is 49" or smaller. Combining durable hardware and integrated with Tire & Rim Solutions* to help fleets optimize total cost of ownership, prevent unplanned downtime and help increase safety.

Tire & Rim Asset Management

Bridgestone offers Off-The-Road tire and rim management solutions that allows fleets to make informed decisions and help manage life cycle of tires for increased efficiency and profitability. Monitoring each tire from receiving inventory, mounting inspections, rotation, repairs and removals no matter the size of your fleet anywhere in the world.

Best-in-class Service

We know that the best products and technologies only stay the best when paired with best-in-class-service.** Our extensive dealer network, compressive training programs, and highly qualified field engineers help improve downtime, so our Off-The-Road customers can focus on getting maximizing their productivity.



** "Best-In-Class Service" is based on the largest number of dealers in the commercial tire dealer network in U.S. found on www.commercial.bridgestone.com. As compared to the 2021 U.S. Replacement and Retreaded Medium/Heavy Truck Tire Brands with similar market share as listed in the January 2022 Modern Tire Dealer (page 62).