BRIDGESTONE / MASTERCORE

# VRDU

V-STEEL ROCK
DEEP ULTRA

Durability matters. But producing the materials to build the foundations for tomorrow, that's what really matters.

BRIDGESTONE
*Solutions for your journey*



BRIDGESTONE | MASTERCORE

# DESIGNED TO ADAPT TO YOUR MINESITE

## EFFICIENCY AND EXTENSION

In quarry operations, success depends on solutions that maximize efficiency while enduring a range of harsh conditions. That's why Bridgestone is proud to introduce the new V-Steel Rock Deep Ultra (VRDU) tire, our latest 49" innovation and the first of its size to feature Mastercore technology.

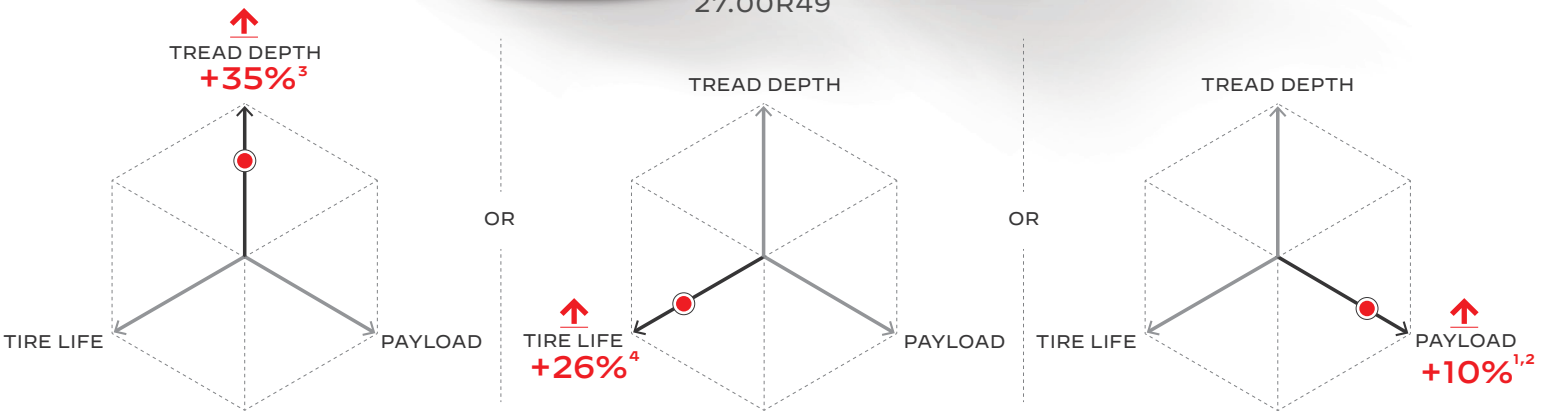
MasterCore VRDU is offered in four advanced compounds to deliver performance tailored to the unique needs of your quarry.

## MASTERCORE VRDU

V-STEEL ROCK DEEP ULTRA | E-4




27.00R49

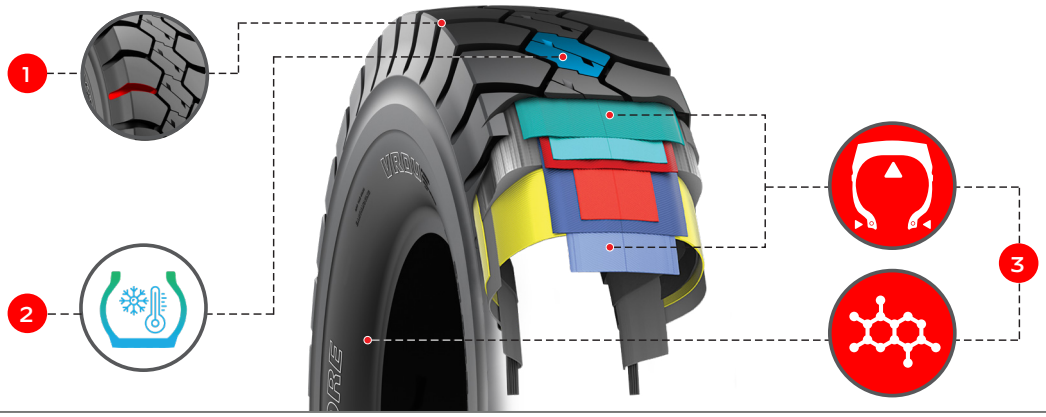


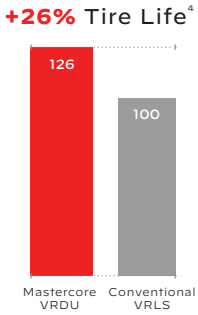

Designed to elevate the output of 100-ton rigid dump trucks on rocky surfaces, the the MasterCore VRDU offers **35% deeper tread depth[3], 26% longer tire life[4] and up to 10% more load capacity[1,2].**



# SPECIAL FEATURES

## BRIDGESTONE MASTERCORE VRDU




### 1. +35% DEEPER TREAD DEPTH DESIGN[3,5]

Designed for rocky surfaces and deeper tread depth vs. the conventional VREP[3] and other key competitors[5]; the VRDU helps improve stability and enhance cut & chip resistance.

### 2. +26% LONGER TIRE LIFE[4]

With a new deeper tread pattern, plus innovative cooling slopes and center grooves that quickly dissipate heat build-up in the pattern, **the VRDU helps extend tire life[4] by 26%.**

### 3. +10% INCREASED LOAD CAPACITY[1,2]

Engineered with Bridgestone's proprietary casing MasterCore technology to deliver up to 10% more load capacity vs. Bridgestone conventional tires and key competitors[2], helping boost productivity with every trip while operating at standard air pressures.

| SIZE | PLY/STAR RATING | COMPOUND | COMPOUND TYPE/ SPECIFICATION | TRA/ APPLICATION | ARTICLE # | TMPH/ TKPH | OTD (32ND/MM) | OVERALL DIAMETER (IN/MM) | OVERALL WIDTH (IN/MM) |
|---|---|---|---|---|---|---|---|---|---|
| 27.00R49 | 2* | E1A | Standard | E-4 | 007454 | 358<br>523 | 113.4<br>90 | 107.1<br>2,720 | 29.9<br>760 |
| | 2* | E2A | Cut Resistant | E-4 | 007455 | 290<br>423 | 113.4<br>90 | 107.1<br>2,720 | 29.9<br>760 |
| | 2* | E2A LS | Ultra Cut Resistant | E-4 | 007456 | 232<br>338 | 113.4<br>90 | 107.1<br>2,720 | 29.9<br>760 |
| | 2* | E3A | Heat Resistant | E-4 | 007457 | 419<br>612 | 113.4<br>90 | 107.1<br>2,720 | 29.9<br>760 |

* See load capacity table for additional information.

CONVENTIONAL VS BRIDGESTONE MASTERCORE VRDU LOAD CAPACITY (lbs/kgs) | BASED ON COLD INFLATION

| | SIZE | RECOMMENDED RIM / FLANGE | TIRE | kPa PSI | 550 80 | 575 83 | 600 87 | 625 91 | 650 94 | 675 98 | 700 102 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | 27.00R49 | 19.50/4.0 | Conventional | lbs | 49,400 | 50,700 | 52,000 | 55,100 | 56,800 | 58,400 | 60,000 |
| | | | | kgs | 22,400 | 23,000 | 23,600 | 25,000 | 25,750 | 26,500 | 27,250 |
| | | 19.50/4.0 | MasterCore | lbs | 55,100 | 56,800 | 58,400 | 60,000 | 61,500 | 64,000 | 66,000 |
| | | | | kgs | 25,000 | 25,750 | 26,500 | 27,200 | 28,000 | 29,000 | 30,000 |

Please make sure you are running the appropriate Tire Load Limit, as these vary based on your operation. Contact your Bridgestone representative for additional support.

1. Load capacity comparison based on tire load limits at 700 kpa/102 psi on the Bridgestone MasterCore VRDU 27.00R49 2* E2A (30,000 kgs/66,000 lbs) vs. Bridgestone conventional 27.00R49 2* E2A (27,250 kgs/60,000 lbs).
2. Load capacity comparison based on Bridgestone MasterCore VRDU 27.00R49 2* E2A at 700 kpa/102 psi (30,000 kgs/66,000 lbs) vs. Goodyear RH-4 A+ 27.00R49 2* at 700 kpa/102 psi (27,250 kgs/60,000 lbs), as reflected in Goodyear's RH-4A+ Product Sheet on their website, and vs. Maxam MS403 27.00R49 2* S2 (cut-resistant) at 700 KPA/102 psi (27,250 kgs/60,000 lbs), as reflected on the Maxam website.
3. Tire tread depth comparison based on Bridgestone MasterCore VRDU 27.00R49 2* E2A (OTD 90 mm/ 113.4 32nd in) vs. Bridgestone conventional VREP, VRLS 27.00R49 (OTD 66.5 mm/84 32nd in).
4. Based on internal field testing comparing operational hours for Bridgestone conventional VRLS 27.00R49 2* E2A vs. Bridgestone MasterCore VRDU 27.00R49 2*E2A. Results may vary.
5. Comparison based on Bridgestone MasterCore VRDU 27.00R49 2* E2A (OTD 90 mm/113.4 32nd in) vs. Goodyear RH-4 A+ 27.00R49 2* (OTD 83mm/ 105 32nd in), as reflected in Goodyear's RH-4A+ Product Sheet on their website, and vs. Maxam MS403 27.00R49 2* S2 cut resistant (OTD 75mm/ 94 32nd in), as reflected on the Maxam website.

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