



# MOBILE CRANE

OFF-THE-ROAD SOLUTIONS



**BRIDGESTONE**

**Firestone**



Bridgestone offers a variety of mobile crane tires to meet our customer's requirements in this demanding operation. Bridgestone's off-the-road mobile crane tires are designed to deliver long lasting and heavy-duty performance, by combining outstanding durability and long wear life with excellent on-road performance.

**Each pattern features technologies to assure excellent performance:**

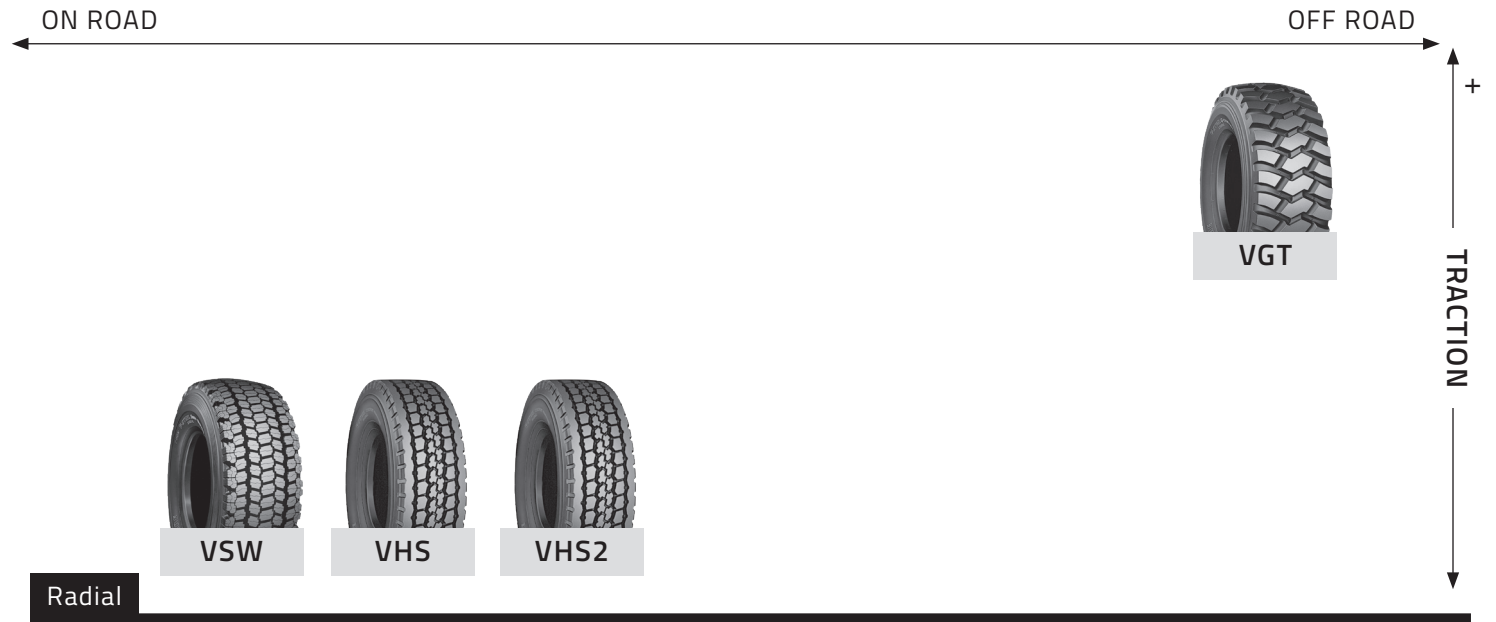
The **VHS/VHS2** design achieves outstanding durability and long-life and with an ideal tread pattern (*a closed shoulder and variable pitches*) to reduce noise level.

The **VSW** is especially developed for machines used in snow removal work. It has excellent traction from a standing start and during acceleration, as well as superior cornering and braking performance, especially on icy, packed or soft snow surfaces.

The **VGT's** block pattern with standard tread depth is suitable for higher speeds and longer transport operations on paved or packed roads with strong resistance to heat build-up and irregular wear. On rough terrain, this tire offers strong traction and flotation.

*All patterns are DOT approved.*

## MOBILE CRANE TIRE LINEUP



Pattern	Article #	Size	Tubeless / Tube Type	LI / Speed	Average Weight (LBS / KG)	OTD (32nos / MM)	Overall Diameter (IN / MM)	Overall Width (IN / MM)
VGT	419303	445/80R25	TL	170 / E	327 / 148	30 / 24.0	52.7 / 1330	17.3 / 440
VHS	421790	385/95R24	TT	170 / E	315 / 143	29 / 23.0	53.4 / 1356	15.1 / 384
	430824	385/95R25	TL	170 / F	320 / 145	29 / 23.0	53.3 / 1355	15.1 / 384
	13812	525/80R25	TL	176 / F	491 / 223	39 / 31.0	58.3 / 1480	21.1 / 537
VHS2	3619	445/95R25	TL	174 / F	440 / 200	32 / 25.5	58.4 / 1484	17.3 / 435
VSW	425078	385/95R25	TL	170 / E	370 / 168	30 / 23.5	53.3 / 1355	15.5 / 394



# MOBILE CRANE SERVICE (HIGH SPEED)

## Load & Inflation Table

Size	Pattern	Inflation Pressure		TIRE LOAD LIMITS AT VARIOUS SPEEDS													
		kPa PSI	KM/H MPH	0 static	creep creep	5 3	10 5	15 9	20 12	30 19	40 25	50 31	60 37	70 43	80 50	90 56	100 62
<b>24"</b>																	
385/95R24	VHS (170E)	900	KG	17700	14400	12700	11000	9850	89000	7800	7450	7100	6700	6000	4925	4200	3600
		131	LBS	39000	31700	28100	24300	21700	19600	17200	16400	15600	14800	13200	10800	9250	7950
<b>25"</b>																	
385/95R25	VSW (170E)	900	KG	17700	14400	12700	11000	9850	8900	7800	7450	7100	6700	6000	4925	4200	3600
	131	LBS	39000	31700	28100	24300	27100	19600	17200	16400	15600	14800	13200	10800	9250	7950	
385/95R25	VHS (170F)	900	KG	17700	14400	12700	11000	9900	9000	7500	6900	6700	6600	6300	6000	5640	5100
	131	LBS	39000	31700	28000	24200	21800	19800	16500	15200	14800	14500	13900	13200	12400	11200	
445/95R25	VHS 2 (174F)	900	KG	21500	17600	15500	13500	11100	10000	8400	7700	7500	7400	7050	6700	6300	5700
		131	LBS	47400	38800	34100	29700	24400	22200	18500	17000	16500	16200	15500	14800	13900	12600
445/80R25	VGT (170E)	700	KG	17700	14400	12700	11000	9850	8900	7800	7450	7100	6700	6000	4925	4200	3600
		102	LBS	39000	31700	28100	24300	21700	19600	17200	16400	15600	14800	13200	10800	9250	7950
525/80R25	VHS (176F)	700	KG	21500	17600	15500	13500	11700	10600	8900	8200	7950	7800	7450	7100	6700	6050
		102	LBS	47200	38700	34100	29600	25800	23500	19600	18000	17500	17200	16400	15600	14700	13300

## Speed Symbol Table

Speed Symbol	Max Speed	
	MPH	KMH
B	31	50
C	37	60
D	40	65
E	43	70
F	50	80
G	56	90
J	62	100

## Variation in Load Carrying Capacity with Operating Speed

Speed	Max Load	
	Speed Symbol E	Speed Symbol F
30 KM/H (20 MPH)	+30%	+25%
40 KM/H (25 MPH)	+24%	+15%
50 KM/H (30 MPH)	+18%	+12%
60 KM/H (35 MPH)	+12%	+10%
70 KM/H (43 MPH)	0	+5%
80 KM/H (50 MPH)	-18%	0
90 KM/H (55 MPH)	-30%	-6%
100 KM/H (62 MPH)	-40%	-15%

Reference speed for calculating load variance



# 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.

## IntelliTire™

### Tire Monitoring Solutions with IntelliTire:

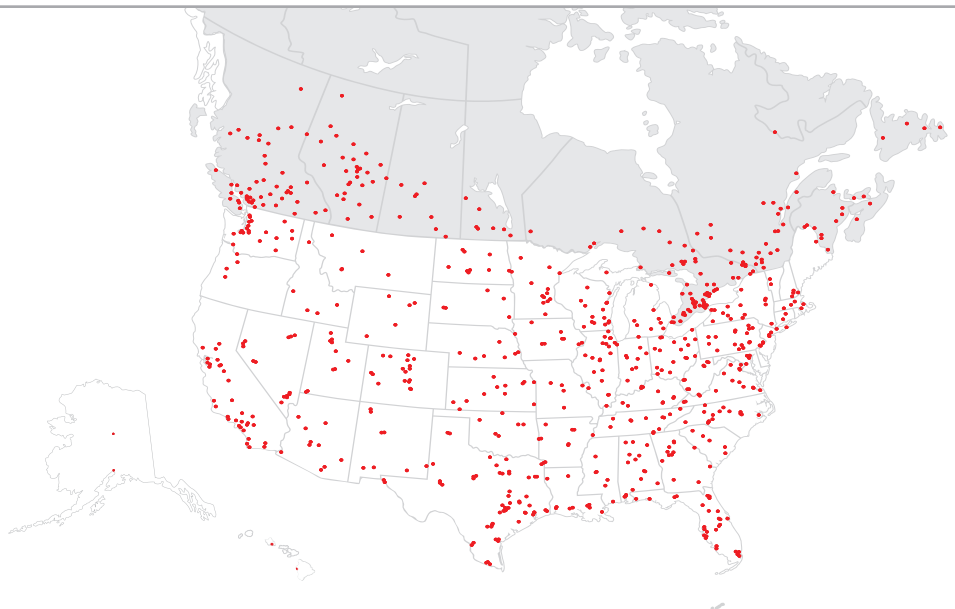
An advanced real-time tire pressure and temperature monitoring solution for nearly any OTR tire from any tire manufacturer that is 49" or smaller. Combining durable hardware and integrated with Tire & Rim Solutions\* to help fleets optimize total cost of ownership, prevent unplanned downtime and help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

## Tire & Rim Solutions

Bridgestone offers Off-The-Road tire and rim management solutions that allow 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, comprehensive training programs, and highly qualified field engineers help improve downtime, so our Off-The-Road customers can focus on getting maximizing their productivity.



\* Subscription-based software application

For more information visit:  
[commercial.firestone.com](http://commercial.firestone.com) | [commercial.bridgestone.com](http://commercial.bridgestone.com)

800.572.8905 | [otrcustomerservice@bfusa.com](mailto:otrcustomerservice@bfusa.com)

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