

TRUCK & BUS RADIAL TIRES



PRODUCT RANGE - 2023

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MIXED SERVICE

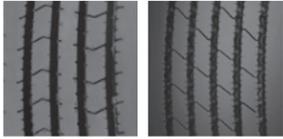
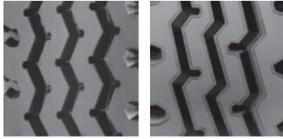
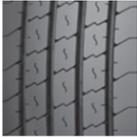
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ABOUT US

Launched in 2007, Radar Tires is the flagship brand of Omni United. Radar Tires offers a vast range of products for both consumer and commercial segments. Our tires are designed in Singapore by our in-house team of designers and manufactured to our own stringent quality control processes. We are currently selling our products in over 50 countries worldwide. Our Truck and Bus range is manufactured in state-of-the-art factories in Thailand using all the latest equipment, materials, processes and technical know-how to ensure that you get a quality product that you can count on.

APPLICATION CHART

	LONG HAUL	REGIONAL	MIXED ON/OFF
ALL POSITION		 RADAR R-A1 RADAR R-A2	 RADAR R-A3 RADAR R-A4
DRIVE	 RADAR R-D2	 RADAR R-D1 RADAR R-D3	
TRAILER	 RADAR R-T1		

LONG HAUL | CLOSED DRIVE

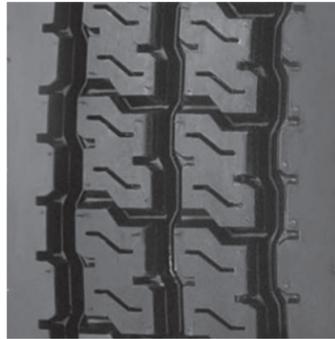
RADAR R-D2

FEATURES

- Optimized tread width and non-skid depth
- Strong casing
- Solid closed shoulder ribs

BENEFITS

- High mileage and driving stability
- Improves cut and puncture resistance
- Promotes even treadwear for high mileage



RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
22.5	11R22.5	148/145L	16	8.25	26.0	41.9	11.0	6940	6390	123	123
	295/75R22.5	144/141L	14	9.00	26.0	40.2	11.7	6175	5675	110	110
24.5	11R24.5	149/146L	16	8.25	26.0	43.9	11.0	7160	6610	120	120
	285/75R24.5	144/141L	14	8.25	26.0	41.6	11.1	6175	5675	110	110

REGIONAL | ALL POSITION

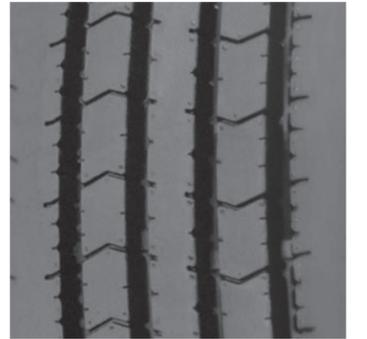
RADAR R-A1

FEATURES

- Straight rib pattern design
- Closed shoulder design
- Cross rib sipes

BENEFITS

- Offers good straight line stability and handling
- Improved even wear for longer tread life
- Allows good control on wet roads



RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
17.5	215/75R17.5	135/133J	16	6.00	15.7	30.2	8.3	4805	4540	123	123
	235/75R17.5	143/141J	16	6.75	16.8	31.4	9.2	6005	5675	128	128
19.5	225/70R19.5	128/126N	14	6.75	16.4	31.9	8.9	3970	3750	110	110
	245/70R19.5	136/134M	16	7.50	16.4	33.0	9.8	4940	4675	120	120
22.5	11R22.5	148/145M	16	8.25	17.9	41.5	11.0	6940	6390	123	123
	295/75R22.5	144/141L	14	9.00	17.9	39.9	11.7	6175	5675	110	110
	315/80R22.5	157/154K	20	9.00	18.9	42.4	12.3	9090	8270	130	130
24.5	11R24.5	149/146L	16	8.25	17.9	43.5	11.0	7160	6610	120	120
	285/75R24.5	144/141L	14	8.25	17.9	41.3	11.1	6175	5675	110	110

LONG HAUL | TRAILER

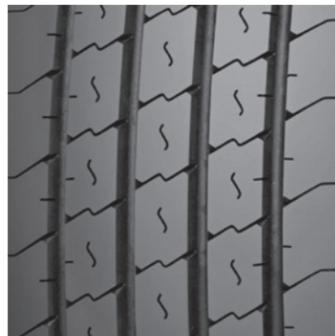
RADAR R-T1

FEATURES

- Low hysteresis tread compound
- Optimized pattern design and tread depth
- Four wide grooves and sipes

BENEFITS

- Reduced heat build-up and lower rolling resistance
- Promotes high fuel economy and long wear
- Delivers all-season performance on wet and dry roads



RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
22.5	295/75R22.5	144/141M	14	9.00	13.9	39.9	11.7	6175	5675	110	110
	11R22.5	148/145M	16	8.25	13.9	41.5	11.0	6940	6390	123	123

REGIONAL | ALL POSITION

RADAR R-A2

FEATURES

- Five ribs with four wide straight grooves
- Platform stone-ejector-technology
- Advanced tread compound

BENEFITS

- Delivers precise handling and water evacuation
- Prevents stones from lodging in grooves and drilling into the tread
- Exceptionally long mileage



M + S

RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
22.5	255/70R22.5	140/137M	16	7.50	18.3	36.6	10.0	5510	5070	120	120
	385/65R22.5	160K / 158L	18	11.75	19.5	42.2	15.3	9920 / 9370	-	130 / 123	-

REGIONAL I OPEN DRIVE

RADAR R-D1

FEATURES

- Optimized tread width and non-skid depth
- Robust block design
- Open shoulder design

BENEFITS

- High mileage, traction and driving stability
- Efficient grip on wet roads
- Enhanced mechanical traction



M + S

RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
22.5	11R22.5	148/145L	16	8.25	26.0	41.9	11.0	6940	6390	123	123
	295/75R22.5	144/141L	14	9.00	26.0	40.2	11.7	6175	5675	110	110
24.5	11R24.5	149/146L	16	8.25	26.0	43.9	11.0	7160	6610	120	120
	285/75R24.5	144/141L	14	8.25	26.0	41.6	11.1	6175	5675	110	110

MIXED SERVICE I ALL POSITION

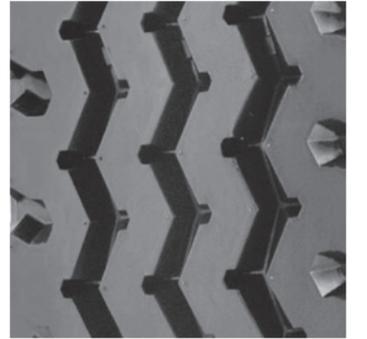
RADAR R-A3

FEATURES

- Four circumferential ribs
- Advanced tread compound
- Reinforced sidewall ribs

BENEFITS

- Offers good directional stability and smooth ride
- Good mileage and tear resistance in on and off road
- Protects against impacts and scuffing



RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
22.5	315/80R22.5	157/154K	20	9.00	20.8	42.4	12.3	9090	8270	130	130

REGIONAL I DRIVE

RADAR R-D3

FEATURES

- Wide tread design with multiple sipes
- Aggressive block design
- Open shoulder design

BENEFITS

- Enhanced drive capability in all seasons
- Increased wet and dry traction
- Powerful mechanical grip



M + S

RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
17.5	215/75R17.5	135/133J	16	6.00	18.3	30.2	8.3	4805	4540	123	123
19.5	225/70R19.5	128/126N	14	6.75	18.9	31.9	8.9	3970	3750	110	110
	245/70R19.5	136/134M	16	7.50	19.4	33.0	9.8	4940	4675	120	120

MIXED SERVICE I ALL POSITION

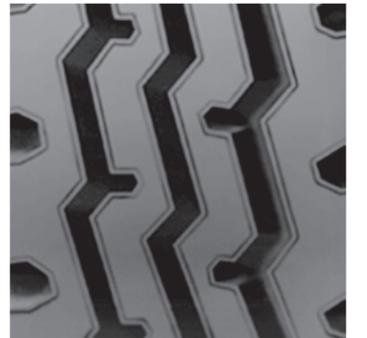
RADAR R-A4

FEATURES

- Advanced tread compound
- Three circumferential grooves
- Sidewall ribs

BENEFITS

- Good mileage in on and off road
- Good wet traction and water evacuation
- Protect against impacts and scuffing



RIM	SIZE	L.I./S.R.	P.R.	APPROVED RIM (IN)	TREAD DEPTH (1/32IN)	OVERALL DIAMETER (IN)	OVERALL WIDTH (IN)	MAX LOAD (LBS)		MAX PRESSURE (PSI)	
								S	D	S	D
22.5	11R22.5	148/145M	16	8.25	21.2	41.5	11.0	6940	6390	123	123
24.5	11R24.5	149/146L	16	8.25	21.2	43.5	11.0	7160	6610	120	120

M+S = Mud and Snow, L.I. = Load Index, S.R. = Speed Rating, P.R. = Ply Rating, IN = Inches, Speed Rating: J = 62 mph; 100 km/h, K = 68 mph; 110 km/h, L = 75 mph; 120km/h, M = 81mph; 130km/h, N = 87 mph; 140 km/h, LBS = Pounds, PSI = Pounds per Square Inch, S = Single, D = Dual.

Product availability and technical specifications are subjected to change without prior notice. Please write to us at info@omni-united.com for the latest information.

LIMITED WARRANTY

ELIGIBILITY

- This limited warranty applies to the original purchaser of a replacement Radar Tires Truck & Bus Radial (TBR) bearing the DOT mark and are not branded Not Adjustable (NA).
- Eligible tires must be purchased new and used on the vehicle that they were originally installed on.
- The tires must be the same size, load index, and speed rating as the OE fitment or an acceptable alternative as specified by the vehicle manufacturer.
- The tires were bought and used in the United States and Canada only.
- This warranty succeeds all previous warranties and applies to tires purchased after July 1st, 2017. Tires purchased prior to this date are covered by the previous warranty.
- Proof of purchase is required for all warranty claims.
- This warranty is applicable in the USA and Canada only.

WHAT IS COVERED AND FOR HOW LONG

All Radar TBR tires are warranted against defects in workmanship and material and will be replaced 100% free of charge for the initial warranty period which is the first 2/32" (1.6mm) of original usable tread life, or within 12 months from the period of purchase, whichever comes first.

After the 100% replacement term expires and the tire is still within 60 months from the date of manufacture, the amount of credit will be determined by the percentage of original tread depth remaining on the tire. Under all circumstances, the cost of mounting, balancing and any other service charges including applicable taxes are required to be paid by the consumer.

WARRANTY PERIOD

This warranty policy shall not apply to tires five (5) years or older from the date of manufacture or three (3) years or older from the original date of purchase. Adjustments will be made on a pro rata basis determined on treadwear and tire age.

WHAT IS NOT COVERED

All warranties will be null and void if any of the following conditions are found to exist:

- Tires transferred from the vehicle on which they were originally installed.
- Tires acquired as used (tires purchased used, equipped on a pre-owned vehicle etc.)
- Misapplication: insufficient speed rating, load index, undersized or oversized tires or running in an under or over inflated condition.
- Tires damaged from dealer/retailer services: mounting, dismounting, balancing, studding, tire rotation, wheel alignment or even re-treading.
- Uniformity issues after the first 2/32" (1.6mm) of treadwear or ride complaints after the first 2/32" (1.6mm) of treadwear.
- Tires injected with liquid balancer or sealant or any other balancing/sealing material or insert.
- Tires which have been modified by the addition or removal of material or any tire intentionally altered to change its appearance.

- Tires which become unserviceable because of tire operation in excess of tire/wheel manufacturers' specifications and recommendations, including spinning.
- Tires improperly repaired or with repairs not conforming to relevant Rubber Manufacturers Association standards, or with section repairs, or with a self-vulcanizing plug only or patch only.
- Tires which have been altered in any manner (additional siping, buffing, stud pin holes etc.) – or tires damaged from improper mounting.
- Tires damaged due to conditions from the re-tread process.
- Multiple tires removed when only one tire can be claimed, or is suspect of a claim.
- Ride complaints after the first 2/32" (1.6mm) of treadwear.
- Tire complaints because of mechanical irregularities in the vehicle such as misalignment, defective brakes, defective shock absorbers or struts, or improper rims etc.
- Tires damaged by fire, chemical corrosion, vandalism, wrecks, chains, theft, run while flat, underinflated, overinflated or abused during servicing.
- Tires affected by flat spotting caused by improper transport or storage or hard braking/driving (showing as irregular wear).
- Tires which become unserviceable because of road hazard injuries (e.g., nails, glass, metal objects) or other penetrations or snags, bruises or impact damage.
- Tires with weather / ozone cracking over (4) four years from date of manufacture or date of purchase. Proof of purchase is required. Without proof of purchase the warranty will be four years from the manufactured date (DOT).
- Mileage or treadwear is not covered.

CASING WARRANTY

The following casing allowance will be applicable to a Radar TBR tire if the above eligibility conditions are met and the tire is still in warranty period as specified above.

The casing warranty is valid through 100% of the life of the 1st re-tread for a period of four (4) years from the date of casing manufacture or proof of purchase if available, whichever comes first.

PATTERN	SIZE	ALLOWANCE (\$)
R-D2	11R22.5	50
	295/75R22.5	50
	11R24.5	50
R-T1	285/75R24.5	40
	295/75R22.5	50
R-A1	11R22.5	50
	295/75R22.5	50
	315/80R22.5	50
	11R24.5	50
	285/75R24.5	40
	215/75R17.5	25
	235/75R17.5	25
	225/70R19.5	25

PATTERN	SIZE	ALLOWANCE (\$)
R-A2	255/70R22.5	35
	385/65R22.5	60
R-D1	11R22.5	50
	295/75R22.5	50
	11R24.5	50
R-D3	285/75R24.5	40
	215/75R17.5	25
	225/70R19.5	25
R-A3	245/70R19.5	25
	315/80R22.5	50
R-A4	11R22.5	50
	11R24.5	50



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