

Made in Thailand



OTANI®

DRIVING CONFIDENCE

TRUCK AND BUS RADIAL TIRE

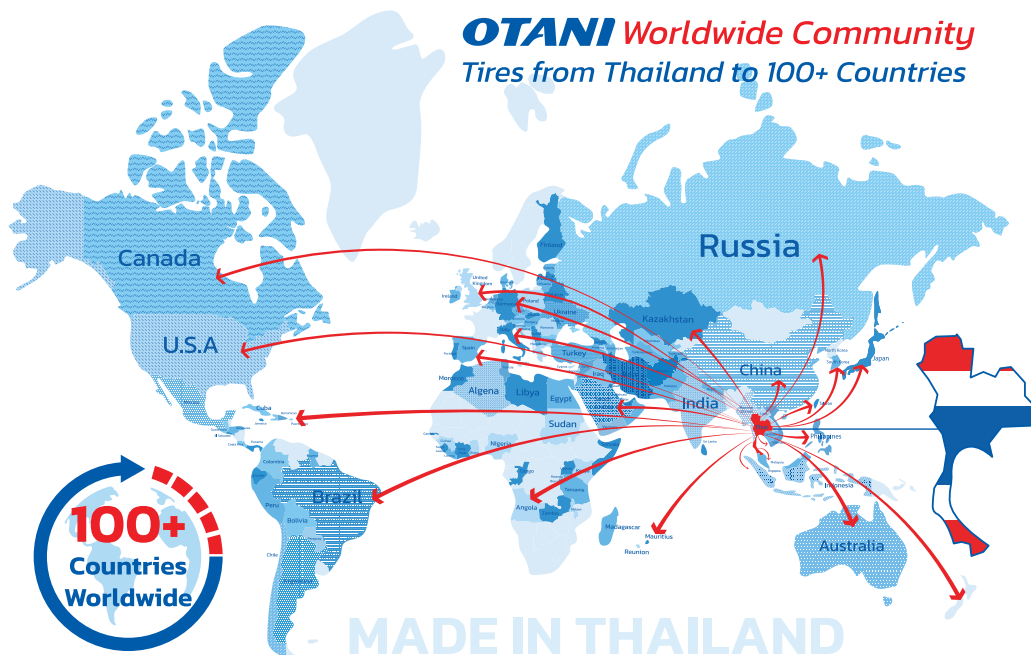
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OTANI GROUP

OTANI Worldwide Community
Tires from Thailand to 100+ Countries



MADE IN THAILAND



OTANI TIRE CO., LTD.

Products : Agricultural Tires (Bias/Radial)
Off the Road Tires
Truck and Bus Bias Tires

Incorporation : 1986

Paid-up capital : THB 500 Million

Address : 55 Mu 7 Phetkasem Road KM.37,
Khlongmai, Sam Phran,
Nakhon Pathom 73110 Thailand

OTANI RADIAL CO., LTD.

Products : Passenger Car Radial Tires
Truck and Bus Radial Tires

Incorporation : 2007

Paid-up capital : THB 3,000 Million

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LONG HAUL



ALL POSITION



OH-107



OH-150



OH-151



OH-152



OH-153



OH-154



OH-155

DRIVE



OH-319



OH-350



REGIONAL

ALL POSITION



OH-113



OH-117



OH-121



OH-122



OH-127

STEER



OH-120

DRIVE



OH-301



OH-320

TRAILER



OH-118



OH-123



OH-351



ON-OFF



A ALL POSITION



A ALL POSITION



D DRIVE



OFF-ROAD



TBR : Specific Uses



HIGHWAY BUS



CITY BUS



WINTER



SPECIAL TRAILER



D DRIVE



A ALL POSITION



OH-107 BUS

A ALL POSITION



OH-501

A ALL POSITION



OH-650

ST SPECIAL TRAILER



OH-170

WB WIDE BASE SINGLE TIRES

LONG HAUL

STEER

OH-119

TRAILER

OH-111

REGIONAL

TRAILER

OH-102

OH-108

ON-OFF

ALL POSITION

OH-203

DRIVE

OH-306

LIGHT TRUCK TIRE



ALL POSITION

OH-152

TRAILER

OH-109



ALL POSITION

OH-117

TRAILER

OH-108 OH-118

STEER

OH-120

DRIVE

OH-311 OH-322



ALL POSITION

OH-201 OH-204 OH-208

DRIVE

OH-303 OH-317

OH-102

Confidence on Every Route Trailer Tire with Excellent Grip



- Wide tread design delivers excellent grip and stability.
- Innovative stepped ribs enhance traction and reduce wear.
- Special compound minimizes heat build up at high speeds, wider tread improves mileage and wear resistance.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	385/65R22.5	20	TL	160 K (158 L)	11.75	4500	9920	-	-	130	900	15.0	380	1074	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-107_{BUS}

Tire with Grip and Efficiency for Coaches



- Full road contact tread ensures even wear and stable handling.
- Special tread compound formulated for long distance use, extending service life.
- High strength casing provides structural durability, driving stability, and passenger safety.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	295/80R22.5	18	TL	152/149 M	9.00	3550	7830	3250	7160	130	900	15.0	300	1050	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-107

Durable Long-Haul Performance Tire for All Position



- Five ribs with four straight grooves delivers precise handling and strong traction.
- Solid shoulder ribs, special tread compound resist maneuvering scrub.
- Linear grooves ensure quick water drainage kerfs on inner ribs enhance traction.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	10.00R20	16	TT	147/143 L	7.50	3075	6780	2725	6005	116	800	15.0	277	1053	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	15.0	280	1055	
	12R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	135	860	16.0	300	1088	
	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	135	930	16.0	300	1088	
	255/70R22.5	16	TL	140/137 L	7.50	2500	5510	2300	5070	120	830	13.5	255	935	
	275/70R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	130	900	15.0	276	963	
	275/70R22.5	18	TL	152/148 J	8.25	3550	7830	3150	6940	130	900	15.0	276	963	
	295/60R22.5	16	TL	150/147 K (149/146 L)	9.00	3350	7390	3075	6780	130	900	12.5	287	925	
	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	15.0	300	1050	
	295/80R22.5	18	TL	154/150 M	9.00	3750	8270	3350	7390	125	860	15.0	300	1050	
	315/60R22.5	16	TL	154/148 L	9.75	3750	8270	3150	6940	130	900	12.5	301	948	
	315/70R22.5	16	TL	154/150 L	9.00	3750	8270	3350	7390	130	900	15.0	322	1014	
	315/70R22.5	18	TL	156/150 L	9.00	4000	8820	3350	7390	130	900	15.0	322	1014	
315/80R22.5	20	TL	156/150 L	9.00	4000	8820	3350	7390	125	860	16.0	314	1086		
315/80R22.5	22	TL	158/150 L	9.00	4250	9370	3350	7390	130	900	16.0	314	1086		

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-108

Fuel-Efficient Trailer Tire



- Reinforced tire construction supports overloading and high speed service.
- Special Compound ensures longer mileage, rugged casing withstands multiple retreads
- Unique tread blocks and grooves provide superior grip on dry and wet surfaces.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
19.5"	285/70R19.5	18	TL	150/148 J	8.25	3350	7390	3150	6940	130	900	14.0	281	896	
22.5"	355/50R22.5	18	TL	156 K	11.75	4000	8820	-	-	130	900	13.5	260	933	
	385/55R22.5	20	TL	160 K	12.25	4500	9920	-	-	130	900	13.0	386	996	
	385/65R22.5	20	TL	160 K	11.75	4500	9920	-	-	130	900	14.0	388	1078	
	385/65R22.5	N/A	TL	164 K	11.75	5000	11025	-	-	130	900	14.0	388	1078	

- Tire construction and material specifications are subject to change without notice nor obligation.
- N/A = Not Applicable. Available only in EU markets.

OH-111

Robust Load-Carrying Trailer Tire



- Wide tread pattern ensures optimal footprint and reduced wear.
- Rugged construction withstands severe loading conditions.
- Energy efficient compound minimizes rolling friction for improved fuel economy.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
19.5"	385/55R19.5	18	TL	156 J	12.25	4000	8820	-	-	125	860	14.8	393	916	
	435/50R19.5	N/A	TL	160 J	14.00	4500	9920	-	-	130	900	12.5	436	927	
	445/45R19.5	N/A	TL	160 J	15.00	4500	9920	-	-	130	900	13.5	432	901	
22.5"	455/40R22.5	N/A	TL	160 J	15.00	4500	9920	-	-	130	900	13.5	440	935	

- Tire construction and material specifications are subject to change without notice nor obligation.
- N/A = Not Applicable. Available only in EU markets.

OH-109

Trailer Tire with Long Service Life and Shorter Braking



- Wider tread pattern increases contact patch, reducing wear rate.
- Solid and wide shoulder ribs resist scrubbing during maneuvering.
- Circumferential grooves improve water drainage sipes on inner ribs enhance braking efficiency.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
17.5"	215/75R17.5	12	TL	126/124 M	6.00	1700	3740	1600	3520	102	700	10.0	210	768	
	215/75R17.5	16	TL	135/133 K	6.00	2180	4805	2060	4540	125	860	10.0	210	768	

- Tire construction and material specifications are subject to change without notice nor obligation.

OH-113

Versatile All Position Tire



- Five rib tread pattern delivers stable handling and confident grip.
- Optimized shoulder design with sipes reduces irregular wear, extending service life.
- Four groove tread design ensures excellent water-evacuation, shorten braking distance on wet roads.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	15.0	277	1053	

- Tire construction and material specifications are subject to change without notice nor obligation.

OH-117

All Position Tire with Tear-Resistance for Rough Roads



- Optimized sipe density minimizes tread block damage and cracking.
- Advanced tear resistant compound and retreadable casing deliver outstanding cost efficiency.
- Stone ejectors in every groove prevent stone lodging, protecting the casing structure.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
16"	6.50R16LT	12	TL	111/109 L	5.50	1090	2405	1030	2270	95	650	11.0	194	746	
	7.00R16LT	12	TL	117/116 L	5.50	1285	2810	1250	2700	90	620	11.0	201	774	
	7.00R16LT	14	TL	118/114 L	5.50	1320	2910	1180	2600	112	770	11.0	201	774	
	7.50R16LT	14	TL	122/118 L	6.00	1500	3305	1320	2910	100	690	11.0	218	800	
	7.50R16LT	16	TL	124/120 L	6.00	1600	3520	1400	3085	116	800	11.0	217	800	
	7.50R16LT	18	TL	129/128 L	6.00	1850	4080	1800	3970	123	850	11.0	218	800	
	8.25R16LT	16	TL	132/130 L	6.50	2000	4410	1900	4190	116	800	12.5	239	856	
	8.25R16LT	18	TL	134/129 K	6.50	2120	4675	1850	4080	123	850	12.5	239	856	
17.5"	205/85R16LT	12	TL	117/115 L	5.50	1285	2835	1215	2680	87	600	10.0	200	756	
	9.5R17.5	14	TL	129/127 L	6.75	1850	4080	1750	3860	110	760	14.0	238	840	
	9.5R17.5	18	TL	143/141 J	6.75	2725	6010	2575	5680	125	860	14.0	238	840	
	215/70R17.5	12	TL	126/124 M	6.00	1700	3740	1600	3520	100	700	13.0	210	744	
	215/75R17.5	12	TL	126/124 M	6.00	1700	3740	1600	3520	102	700	13.0	210	768	
	215/75R17.5	16	TL	135/133 L	6.00	2180	4805	2060	4540	125	860	13.0	210	768	
	215/75R17.5	16	TL	135/133 K	6.00	2180	4805	2060	4540	125	860	13.0	210	768	
	215/75R17.5	18	TL	143/141 K	6.00	2725	6010	2575	5680	125	860	13.0	210	768	
	225/75R17.5	12	TL	129/127 M	6.75	1850	4080	1750	3860	105	725	13.0	228	781	
	225/80R17.5	14	TL	123/122 L	6.75	1550	3415	1500	3305	102	700	12.0	224	804	
	235/75R17.5	16	TL	135/133 M	6.75	2180	4805	2060	4540	125	860	12.0	233	796	
	235/75R17.5	18	TL	143/141 L	6.75	2725	6010	2575	5680	125	860	12.0	233	800	
	245/70R17.5	16	TL	136/134 M	7.50	2240	4940	2120	4675	120	830	13.0	248	788	
	245/70R17.5	18	TL	143/141 J (146/146 F)	7.50	2725	6010	2575	5680	125	860	13.0	248	788	
	19.5"	245/70R19.5	16	TL	136/134 M	7.50	2240	4940	2120	4675	120	830	14.0	248	842
		11.00R20	16	TT	150/146 K	8.00	3350	7390	3000	6610	120	830	15.0	296	1083
20"	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	15.0	296	1083	
	22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	15.0	280	1053

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-118

Trailer Tire with Rounded Shoulder for Excellent Tear Resistance



- Rounded shoulder design prevents scrubbing damage during tight turns.
- Tear-resistant compound performs across all road conditions.
- Optimized tread width ratio extends mileage and reduces fuel consumption.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
17.5"	205/65R17.5	18	TL	132/130 J	6.00	2000	4410	1900	4190	130	900	11.0	208	717	
19.5"	245/70R19.5	18	TL	141/140 J	7.50	2575	5675	2500	5510	123	850	12.5	249	840	
	265/70R19.5	18	TL	143/141 J	7.50	2725	6010	2575	5680	125	860	14.0	262	869	
22.5"	11R22.5	16	TL	148/145 L	8.25	3150	6940	2900	6395	125	860	14.0	279	1059	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-119

Steer Tire with Excellent Grip and Long Service Life



- Optimized groove design supports long-haul and regional use.
- Solid shoulder design enhances handling and steering performance.
- Stone ejectors in all grooves protect against stone penetration for safe driving.

Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	385/55R22.5	20	TL	160 K (158 L)	12.25	4500	9920	-	-	130	900	15.0	388	998	
	385/65R22.5	20	TL	160 K (158 L)	11.75	4500	9920	-	-	130	900	15.0	387	1070	
	385/65R22.5	22	TL	164 K EXTRA LOAD	11.75	5000	11000	-	-	130	900	15.0	387	1070	

* Tire construction and material specifications are subject to change without notice nor obligation.



OH-120

Steer Tire with Cost-Effective Control on Every Route



- Wide tread footprint and 3D sipe geometry improve multi directional grip.
- Reinforced shoulder design reduces irregular wear, extends service life.
- Zigzag tread grooves reduce stone trapping, protecting the casing.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
17.5"	205/75R17.5	12	TL	124/122 M	6.00	1600	3525	1500	3305	109	750	12.0	204	762	
	265/70R19.5	16	TL	140/138 M	7.50	2500	5510	2360	5205	110	760	13.0	262	866	
	305/70R19.5	18	TL	146/144 M	8.25	3000	6010	2800	6175	130	900	13.0	279	894	
19.5"	305/70R19.5	18	TL	148/145 M	9.00	3150	6940	2900	6395	123	850	14.0	297	925	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-121

Durable All Position Tire with Long-Lasting Service



- Wider sipes and larger tread blocks improve tear-resistance.
- Strong casing structure ensures long-lasting performance.
- Wider tread increases road contact area, improving fuel efficiency.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	9.00R20	14	TT	140/137 L	7.00	2500	5510	2300	5070	105	725	15.0	256	1022	
	10.00R20	16	TT	147/143 L	7.50	3075	6780	2725	6005	116	800	16.0	276	1055	
	10.00R20	18	TT	149/145 K	7.50	3250	7160	2900	6395	135	930	16.0	276	1055	
	11.00R20	16	TT	150/146 K	8.00	3350	7390	3000	6610	120	830	16.5	295	1089	
	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	16.5	295	1089	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	17.0	278	1054	
	12R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	16.5	306	1090	
	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	125	860	16.5	306	1090	
	275/80R22.5	16	TL	149/146 M	8.25	3250	7160	3000	6610	125	860	16.5	271	1021	
	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	17.0	300	1055	
	295/80R22.5	18	TL	154/150 M	9.00	3750	8270	3350	7390	125	860	17.0	300	1055	
315/80R22.5	20	TL	156/150 L	9.00	4000	8820	3350	7390	125	860	17.0	315	1084		
315/80R22.5	22	TL	158/150 L	9.00	4250	9370	3350	7390	130	900	17.0	315	1084		

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-122

Heavy-Duty Load Capacity Tire for All Position



- Wavy inside groove design prevents stone retention and improves traction.
- Robust construction supports heavy loads, special compound withstands harsh conditions.
- Wider tread and deeper grooves extend service life and wear resistance.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	17.5	298	1090	
22.5"	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	125	860	17.5	310	1090	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-127

All Position Tire with Confident Performance in All Road Conditions



- Rounded shoulder design resists cornering forces and tearing.
- Four-groove tread design distributes stress evenly, improving fuel efficiency.
- Pocket groove design increases drainage volume, reducing hydroplaning risk.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	15.0	285	1052	
	12R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	16.0	310	1086	
	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	125	860	16.0	310	1086	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-123

Economical and Reliable Trailer Tire



- Rounded and wide shoulder design resists cornering forces and tearing.
- Four groove tread distributes stress evenly, reducing irregular wear.
- Pocket groove design ensures fast water evacuation, reducing hydroplaning risk.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	14.0	280	1050	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-150

Durable and Fuel Efficient Tire for Long Haul



- Five ribs with solid shoulder design provide better steering performance and safety.
- Robust tire casing ensures excellent endurance and retreadability.
- Special tread compound delivers longevity and fuel savings for regional and long-haul use.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	146/143 L	8.25	3000	6610	2725	6005	120	830	14.0	277	1052	
	295/75R22.5	14	TL	144/141 L	9.00	2800	6175	2575	5675	110	760	14.0	298	1014	
24.5"	11R24.5	16	TL	149/146 L	8.25	3250	7160	3000	6610	120	830	14.5	280	1104	
	285/75R24.5	14	TL	144/141 L	8.25	2800	6175	2575	5675	110	760	14.5	282	1053	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-151

Durable and Fuel Efficient Tire for Long-Haul



- Optimized tread pattern with solid shoulder enhances stability especially for trailer use.
- Robust casing provides endurance and supports multiple retreads.
- Special tread compound resists lateral scrub and reduces fuel consumption.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	14	TL	144/142 L	8.25	2800	6175	2650	5840	105	720	10.5	280	1042	
	295/75R22.5	14	TL	144/141 L	9.00	2800	6175	2575	5675	110	760	10.5	293	1016	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-153

Cost-Effective Long Haul Tire with Excellent Heat Dissipation



- Pattern optimized for steer axle highway service and excellent heat dissipation.
- Decoupling groove in the shoulder resists irregular wear.
- Advanced tread compound enhances longevity and fuel savings.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	146/143 L	8.25	3000	6610	2725	6005	120	830	15.0	276	1053	
	295/75R22.5	14	TL	144/141 L	9.00	2800	6175	2575	5675	110	760	15.0	295	1024	
24.5"	11R24.5	16	TL	149/146 L	8.25	3250	7160	3000	6610	120	830	15.0	287	1102	
	285/75R24.5	14	TL	144/141 L	8.25	2800	6175	2575	5675	110	760	15.0	281	1062	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-152

Durable and Fuel-Efficient Tire for Every Long Journey



- Optimized design suitable for all-position axle service.
- Strong casing construction ensures endurance and retreadability.
- Special tread compound improves longevity and fuel efficiency.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
19.5"	225/70R19.5	14	TL	128/126 L	6.75	1800	3970	1700	3750	110	760	13.5	220	814	
	245/70R19.5	14	TL	133/131 L	7.50	2060	4540	1950	4300	110	760	13.5	243	839	
22.5"	10R22.5	14	TL	141/139 L	7.50	2575	5675	2430	5355	115	790	13.5	256	1020	
	255/70R22.5	16	TL	140/137 L	7.50	2500	5510	2300	5070	120	830	11.0	254	931	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-154

Durable Long-Distance Tire with Excellent Heat Dissipation



- Five rib tread ensures full road contact, distributing pressure evenly for improved handling.
- Symmetric tread pattern prevents uneven wear, ensuring uniform tread life.
- Special compound dissipates heat effectively, extending tire life and improving fuel efficiency.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	146/143 L	8.25	3000	6610	2725	6005	120	830	14.0	279	1052	
	295/75R22.5	14	TL	144/141 L	9.00	2800	6175	2575	5675	110	760	14.5	296	1023	
24.5"	11R24.5	16	TL	149/146 L	8.25	3250	7160	3000	6610	120	830	14.5	291	1101	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-155

Durable Long-Distance Tire with Excellent Heat Dissipation



- Five-rib tread design ensures full road contact for confident driving.
- Symmetric tread pattern promotes uniform wear across the tire.
- Heat-dissipating compound extends tire life and enhances fuel efficiency.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
24.5"	285/75R24.5	14	TL	144/141 L	8.25	2800	6175	2575	5675	110	760	14.0	288	1051	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-170

Strong and Wear-Resistant Special Trailer Tire



- Four grooves evacuate water, smaller grooves improve wet traction.
- Wide tread increases contact area, enhancing stability and reducing trailer sway.
- Special compound formulation provides excellent traction on dry and wet roads.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
16"	ST235/80R16	14	TL	129/125 M	6.50	1850	4080	1650	3640	110	760	9.0	232	775	
	ST235/85R16	14	TL	132/127 M	6.50	2000	4400	1750	3860	110	760	9.0	235	783	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-201

Durable and Long-Lasting Tire for On-Off Applications



- Shoulder lugs withstand impacts and enhance traction on dry and wet surfaces.
- Zigzag tread design resists chipping and cutting in off-road conditions.
- Deeper tread increases mileage, wide grooves improve water evacuation.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
16"	7.50R16LT	14	TL	122/118 L	6.00	1500	3305	1320	2910	100	690	13.5	210	809	
	8.25R16LT	16	TL	132/130 L	6.50	2000	4410	1900	4190	116	800	13.5	235	858	
20"	10.00R20	16	TT	147/143 L	7.50	3075	6780	2725	6005	116	800	18.0	276	1058	
	11.00R20	16	TT	150/146 K	8.00	3350	7390	3000	6610	120	830	16.5	288	1089	
20"	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	16.5	288	1089	
	12.00R20	18	TT	154/150 K	8.50	3750	8270	3350	7390	125	860	16.0	310	1124	
22.5"	11R22.5	16	TL	148/145 L	8.25	3150	6940	2900	6395	125	860	16.0	280	1055	
	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	17.0	302	1052	
	295/80R22.5	18	TL	154/150 M	9.00	3750	8270	3350	7390	125	860	17.0	300	1052	
	315/80R22.5	20	TL	156/150 L	9.00	4000	8820	3350	7390	125	860	15.5	314	1084	
24"	325/95R24 (12.00R24)	22	TL	162/160 K	9.00	4750	10500	4500	9920	125	860	19.0	312	1229	
24.5"	11R24.5	16	TL	149/146 K	8.25	3250	7160	3000	6610	120	830	19.0	289	1113	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-202

Durable Tire with Directional Control for On & Off Applications



- Wider zigzag grooves provide superb water evacuation and traction.
- Reinforced carcass designed to withstand severe overloading.
- Unique block design delivers outstanding grip and stability.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
24"	12.00R24	20	TT	160/156 K	8.50	4500	9920	4000	8820	125	860	14.0	310	1214	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-204

Heavy-Load Tire with Excellent Traction



- Well positioned tread blocks deliver enhanced traction on dry and wet surfaces.
- Specially engineered belt structure enhances casing durability.
- Optimum bead strength withstands severe stress, ensuring stable driving.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
19.5"	265/70R19.5	16	TL	140/138 M	7.50	2500	5510	2360	5205	110	760	15.0	260	870	
	265/70R19.5	18	TL	143/141 K	7.50	2725	6010	2575	5680	125	860	15.0	260	870	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-203

Tire for Tough & Mixed Services in All Weather Conditions



- Innovative tread block design with sipes ensures traction in all weather conditions.
- Zigzag tread resists cuts and chips, stone ejectors protect casing and improve retreadability.
- Robust tread design provides confident load support and performance.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	385/65R22.5	20	TL	160 K (158 L)	11.75	4500	9920	-	-	130	900	16.5	380	1074	
	385/65R22.5	22	TL	164 K	11.75	5000	11025	-	-	130	900	16.5	380	1074	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-205

Durable and Cost-Effective Tire for Every Drive



- Alternating tread groove design enhances grip and traction.
- Reinforced tire structure confidently supports heavy loads, ensuring long service life.
- Four-rib tread design increases rubber volume and road contact, extending tire life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	148/145 L	8.25	3150	6940	2900	6395	125	860	16.5	280	1051	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-206

Reliable and Long-Lasting Tire with Excellent Traction



- Staggered tread groove design improves digging performance and traction.
- Reinforced structure supports heavy loads with high durability.
- Five-rib tread design ensures full road contact, extending tire life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	17.0	300	1055	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-209

Durable Tire with Strong Structure and Long Service Life



- Deeper tread assists in increasing mileage and service tire life.
- Siping on large tread blocks improves traction and abrasion resistance.
- Stone ejectors in central grooves prevent stone retention.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	125	860	16.5	298	1082	
	315/80R22.5	20	TL	156/150 L	9.00	4000	8820	3350	7390	125	860	15.5	318	1082	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-208

Highly Durable Tire for All Road Conditions



- Open shoulder design enhances digging performance on dry and wet roads.
- Tear resistant compound withstands rough terrain, staggered grooves prevent chipping.
- Extra-deep tread grooves extend tire service life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
16"	7.50R16LT	14	TL	122/118 L	6.00	1500	3305	1320	2910	100	690	13.5	214	807	
	7.50R16LT	18	TL	129/128 K	6.00	1850	4080	1800	3970	123	850	13.5	214	807	
	8.25R16LT	18	TL	137/132 K	6.50	2300	5070	2000	4410	123	850	13.5	236	858	
20"	11.00R20	16	TT	150/146 K	8.00	3350	7390	3000	6610	120	830	17.0	284	1089	
	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	17.0	284	1089	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-210

Sturdy Tire with Reinforced Carcass for Heavy Loads



- Unique block design delivers outstanding traction and grip.
- Reinforced carcass designed to withstands severe overloading.
- Wider zigzag grooves provide superb water evacuation and stable performance.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	12.00R20	18	TT	154/150 K	8.50	3750	8270	3350	7390	125	860	14.5	308	1120	
22.5"	13R22.5	18	TL	156/150 K	9.75	4000	8820	3350	7390	125	860	18.5	319	1120	

* Tire construction and material specifications are subject to change without notice nor obligation.

OH-211

On-Off Tire with Confident Handling and Cost-Effective Performance



- Five-rib tread design enhances road grip during cornering.
- Reinforced structure extends tire life and ensures even wear.
- Special tear-resistant compound prolongs service life and improves safety.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	17.0	300	1055	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-213

Durable Tire for All Road Conditions



- Extra deep, wide grooves extend tire life and channel water efficiently.
- Tear-resistant compound ensures even wear and long service life.
- Open shoulder tread design enhances traction and grip.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	10.00R20	16	TT	147/143 L	7.50	3075	6780	2725	6005	116	800	16.0	276	1055	
	10.00R20	18	TT	149/145 K	7.50	3250	7160	2900	6395	135	930	16.0	276	1055	
	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	18.0	295	1090	
	12.00R20	18	TT	154/150 K	8.50	3750	8270	3350	7390	125	860	18.5	310	1128	
	12.00R20	20	TT	156/153 K	8.50	4000	8820	3650	8050	130	900	18.5	310	1128	
22.5"	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	135	930	18.0	306	1092	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-301

Strong Drive Tire for Heavy Loads



- Well positioned tread blocks deliver enhanced traction on dry and wet surfaces.
- Reinforced sidewalls provide excellent load capacity.
- Deeper grooves extend mileage and improve water evacuation.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RIM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	10.00R20	16	TT	147/143 L	7.50	3075	6780	2725	6005	116	800	18.0	277	1060	
	11.00R20	16	TT	150/146 K	8.00	3350	7390	3000	6610	120	830	16.0	290	1087	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	19.5	280	1061	
	12R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	22.0	309	1100	
	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	125	860	22.0	309	1100	
	295/75R22.5	16	TL	148/145 M	9.00	3150	6940	2900	6395	125	860	22.0	298	1038	
	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	22.5	300	1066	
	315/70R22.5	16	TL	154/150 L	9.00	3750	8270	3350	7390	130	900	22.0	322	1030	
	315/80R22.5	20	TL	156/150 L	9.00	4000	8820	3350	7390	125	860	22.5	314	1095	
	315/80R22.5	20	TL	160/157 L	9.00	4535	10000	4125	9090	130	900	22.5	314	1095	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-302

Drive Tire with Tear Resistance for Rough Terrain



- Transverse tread grooves enhances traction and digging performance.
- Tear-resistant compound and deep tread extend tire life.
- Thick sidewalls protect against cuts and damages.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	11.0OR20	18	TT	152/149 F	8.00	3550	7830	3250	7160	135	930	24.0	295	1102	
	11R22.5	16	TL	148/145 F	8.25	3150	6940	2900	6395	125	860	23.0	280	1067	
22.5"	275/80R22.5	16	TL	149/146 G	8.25	3250	7160	3000	6610	125	860	20.0	271	1029	
	295/80R22.5	16	TL	152/148 F	9.00	3550	7830	3150	6940	125	860	23.5	300	1066	

• Tire construction and material specifications are subject to change without notice nor obligation.
 • POR = Professional Off-Road

OH-306

Wide Base Tire for Drive Axle with Excellent Mileage



- Wide tread pattern maximizes surface contact to reduce irregular wear, broad shoulders enhances grip and cornering.
- Uniform lug design distributes load evenly thus extends service life.
- Deeper and wider grooves extend mileage, enable multiple retreads.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	425/65R22.5	20	TL	165 K	13.00	5150	11400	-	-	120	830	18.0	426	1130	
	445/65R22.5	20	TL	169 K	13.00	5800	12800	-	-	130	900	16.5	439	1158	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-303

Durable Drive Tire with Excellent Traction



- Wide open shoulder optimized for drive position enhances road grip, excellent digging performance.
- Tear-resistant compound and deep tread extend tire life.
- Deeper grooves extend mileage and improve water evacuation.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
19.5"	265/70R19.5	18	TL	143/141 J	7.50	2725	6010	2575	5680	125	860	16.0	260	873	
20"	8.25R20	16	TT	139/137 K	6.50	2430	5355	2300	5070	135	930	16.0	232	980	
	10.0OR20	16	TT	147/143 L	7.50	3075	6780	2725	6005	116	800	18.0	274	1058	
	11.0OR20	16	TT	150/146 K	8.00	3350	7390	3000	6610	120	830	20.5	288	1093	
22.5"	11R22.5	16	TL	148/145 L	8.25	3150	6940	2900	6395	125	860	18.0	280	1058	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-307

Durable Drive Tire with Superior Traction



- Large block tread pattern provides strong traction and high digging performance.
- Tear-resistant compound ensures long lasting performance.
- Deep tread extends tire service life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	11.0OR20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	22.0	295	1099	
	12.0OR20	20	TT	156/153 K	8.50	4000	8820	3650	8050	130	900	22.0	311	1132	

• Tire construction and material specifications are subject to change without notice nor obligation.
 • POR = Professional Off-Road

OH-311

Reliable Drive Tire with Excellent Mileage



- Creative 5 lug pattern built for firm grip and cornering ability.
- Open shoulder design ensures quick water evacuation.
- Deep and wide grooves extend mileage and enhance tire life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
16"	7.00R16LT	12	TL	117/116 L	5.50	1285	2810	1250	2700	90	620	16.0	204	783	
	9.5R17.5	14	TL	129/127 L	6.75	1850	4080	1750	3860	110	760	14.0	238	844	
	9.5R17.5	18	TL	143/141 J	6.75	2725	6010	2575	5680	125	860	14.0	238	844	
	215/75R17.5	14	TL	128/126 M	6.00	1800	3970	1700	3740	110	760	13.0	210	768	
	215/75R17.5	16	TL	135/133 K	6.00	2180	4850	2060	4540	125	860	13.0	210	768	
17.5"	225/75R17.5	12	TL	129/127 M	6.75	1850	4080	1750	3860	105	725	15.0	225	786	
	225/80R17.5	14	TL	123/122 L	6.75	1550	3415	1500	3305	102	700	16.0	228	814	
	235/75R17.5	14	TL	132/130 M	6.75	2000	4410	1900	4190	112	775	13.5	235	800	
	235/75R17.5	16	TL	135/133 K	6.75	2180	4805	2060	4540	125	860	13.5	235	800	
	235/75R17.5	18	TL	143/141 J	6.75	2725	6010	2575	5680	125	860	13.5	235	800	
19.5"	245/70R19.5	16	TL	136/134 L	7.50	2240	4940	2120	4675	120	830	15.0	250	845	
	245/70R19.5	18	TL	144/142 J	7.50	2800	6175	2650	5840	130	900	15.0	250	845	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-312

Drive Tire with Excellent Traction and High Tear Resistance



- Aggressive tread pattern and open shoulder design delivers outstanding traction in tough conditions.
- Large lugs with cut-and-chip resistant compound withstand severe gravel and construction use.
- Deep wide grooves extend mileage and service life, open shoulders enhance water evacuation and grip.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	10.00R20	18	TT	149/145 K	7.50	3250	7160	2900	6395	135	930	22.0	276	1066	
	11R22.5	16	TL	148/145 K	8.25	3150	6940	2900	6395	125	860	22.0	283	1067	
22.5"	12R22.5	18	TL	152/149 K	9.00	3550	7830	3250	7160	125	860	23.0	298	1092	
	295/80R22.5	16	TL	152/148 K	9.00	3550	7830	3150	6940	125	860	22.0	300	1064	

• Tire construction and material specifications are subject to change without notice nor obligation.
• POR = Professional Off-Road

OH-312+

Drive Tire with Excellent Traction and Enhanced Winter Grip



- Modified tread pattern enhances winter grip performance.
- Large lugs with cut-and-chip resistant compound withstand severe rough and winter conditions.
- Deeper, wider grooves extend mileage, open shoulder design ensures quick water evacuation and firm grip.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	13R22.5	18	TL	156/150 K	9.75	4000	8820	3350	7390	125	860	22.5	328	1130	
	315/80R22.5	20	TL	156/150 K	9.00	4000	8820	3350	7390	125	860	22.5	314	1095	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-317

Durable On-Off Road Drive Tire with Superior Traction



- Tread design with stone ejectors reduces stone retention and reduces damages from usage.
- Large tread blocks with transverse grooves traction and grip.
- Special high tear-resistant compound extends tire service life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
16"	7.50R16LT	18	TL	129/128 G	6.00	1850	4080	1800	3970	123	850	16.0	216	809	
17.5"	225/80R17.5	14	TL	123/122 J	6.75	1550	3415	1500	3305	102	700	18.0	226	816	

- Tire construction and material specifications are subject to change without notice nor obligation.
- POR = Professional Off-Road

OH-319

Long-Lasting and Low-Noise Drive Tire for Long Haul



- 5 ribs pattern and wider rolling tread deliver longer mileage, superior grip on dry, wet and snowy roads.
- Closed shoulder with shallow lateral grooves resists irregular wear.
- Tear resistant compound extends tire life. Optimized pattern design reduces noise.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	11.00R20	18	TT	152/149 K	8.00	3550	7830	3250	7160	135	930	22.0	295	1099	
	12.00R20	20	TT	156/153 K	8.50	4000	8820	3650	8050	130	900	22.0	311	1132	

- Tire construction and material specifications are subject to change without notice nor obligation.

OH-320

Durable Drive Tire with Enhanced Winter Grip and Quiet Drive



- Zig-zag grooves offer excellent traction on all road conditions.
- Unique sipes on all tread blocks enhance wet and snow grip.
- Optimized block design resists irregular wear.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	125	860	18.0	283	1058	
	275/70R22.5	16	TL	148/145 M	8.25	3150	6940	2900	6395	130	900	18.0	279	969	
	295/60R22.5	16	TL	150/147 K (149/146 L)	9.00	3350	7390	3075	6780	130	900	17.0	288	935	
	295/80R22.5	16	TL	152/148 M	9.00	3550	7830	3150	6940	125	860	20.0	303	1060	
	315/60R22.5	16	TL	154/148 L	9.75	3750	8270	3150	6940	130	900	17.0	313	960	
	315/70R22.5	16	TL	154/150 L	9.00	3750	8270	3350	7390	130	900	21.5	322	1030	
	315/80R22.5	20	TL	156/150 L	9.00	4000	8820	3350	7390	125	860	21.5	315	1095	

- Tire construction and material specifications are subject to change without notice nor obligation.

OH-322

Confident Control Drive Tire with Excellent Grip



- Wide tread, strong blocks enhance driving stability and handling.
- Angled tread blocks resist irregular wear while reinforced shoulder enables tear resistance.
- Specially designed 3D tread sipes improve grip and shorten braking distance on dry, wet and snowy roads.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
17.5"	205/75R17.5	12	TL	124/122 M	6.00	1600	3525	1500	3305	109	750	13.5	206	765	
	245/70R17.5	16	TL	136/134 M	7.50	2240	4940	2120	4675	120	830	13.5	250	789	
19.5"	245/70R19.5	16	TL	136/134 M	7.50	2240	4940	2120	4675	120	830	14.5	248	845	
	265/70R19.5	16	TL	140/138 M	7.50	2500	5510	2360	5205	110	760	14.5	260	870	
	285/70R19.5	16	TL	146/144 M	8.25	3000	6010	2800	6175	130	900	14.5	282	892	
	305/70R19.5	18	TL	148/145 M	9.00	3150	6940	2900	6395	123	850	14.5	305	924	

- Tire construction and material specifications are subject to change without notice nor obligation.

OH-350

Durable Drive Tire with Superior Traction for Highway Use



- Block pattern design with solid shoulder delivers excellent traction for highway drive axles.
- Robust casing ensures endurance and supports multiple retreads.
- Special compound provides longevity and fuel savings.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	146/143 L	8.25	3000	6610	2725	6005	120	830	20.5	277	1064	
	255/70R22.5	16	TL	140/137 L	7.50	2500	5510	2300	5070	120	830	20.0	253	945	
	295/75R22.5	14	TL	144/141 L	9.00	2800	6175	2575	5675	110	760	20.5	293	1036	
24.5"	11R24.5	16	TL	149/146 L	8.25	3250	7160	3000	6610	120	830	20.0	286	1115	
	285/75R24.5	14	TL	144/141 L	8.25	2800	6175	2575	5675	110	760	20.0	285	1051	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-401

Superior Traction Performance Tire for All Terrains



- Directional tread blocks enhance mud evacuation and offer remarkable traction on off-roads.
- Rugged casing withstands retreads, cut-and-chip resistant compound for severe off-road conditions.
- Strong structure, extra deep tread support heavy duty uses and ensures durability across all terrains.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
24"	325/95R24 (12.00R24)	22	TL	162/160 F	9.00	4750	10500	4500	9920	125	860	28.0	312	1235	

- Tire construction and material specifications are subject to change without notice nor obligation.
- POR = Professional Off-Road

OH-351

Reliable Regional Drive Tire with Enhanced Traction



- Block pattern design optimized for regional drive axle traction.
- Strong casing construction supports retreadability and long service life.
- Special tread compound enhances longevity and fuel efficiency.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	11R22.5	16	TL	146/143 L	8.25	3000	6610	2725	6005	120	830	20.5	273	1064	
	295/75R22.5	14	TL	144/141 L	9.00	2800	6175	2575	5675	110	760	20.5	293	1035	
24.5"	11R24.5	16	TL	149/146 L	8.25	3250	7160	3000	6610	120	830	20.5	284	1115	

• Tire construction and material specifications are subject to change without notice nor obligation.

OH-402

Durable Drive Tire with Enhanced Traction



- Uniform block pattern with wide tread maximizes surface contact and withstands heavy loads.
- Open shoulder design dissipates heat and evacuates water quickly.
- Stone ejectors prevent stone retention, protecting the casing and extending tire life.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	315/80R22.5	20	TL	156/150 K	9.00	4000	8820	3350	7390	125	860	21.5	314	1095	

- Tire construction and material specifications are subject to change without notice nor obligation.
- POR = Professional Off-Road

OH-403

Sturdy Tire with Tear Resistance for All Work Conditions



- Open shoulder design ensures quick water evacuation and firm grip.
- Large lugs with cut and chip resistant compound withstand gravel and construction conditions.
- Extra-deep tread enhances mileage and traction.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
20"	10.00R20	18	TT	149/145 G	7.50	3250	7160	2900	6395	135	930	24.5	276	1072	
	12.00R20	18	TT	154/150 G	8.50	3750	8270	3350	7390	125	860	24.0	313	1137	
	12.00R20	20	TT	156/153 G	8.50	4000	8820	3650	8050	130	900	24.0	313	1137	
22.5"	11R22.5	16	TL	146/143 G	8.25	3000	6610	2725	6005	120	830	24.5	280	1071	
	12R22.5	18	TL	154/150 G	9.00	3750	8270	3350	7390	125	860	24.0	298	1105	
	13R22.5	18	TL	156/150 G	9.75	4000	8820	3350	7390	125	860	25.5	319	1140	
24.5"	11R24.5	16	TL	149/146 G	8.25	3250	7160	3000	6610	120	830	24.5	281	1123	

- Tire construction and material specifications are subject to change without notice nor obligation.
- POR = Professional Off-Road

OH-501

Excellent Handling Tire for City Bus



- Four wide ribs increase rolling tread width for longer mileage.
- Full depth sipes in center ribs enhance traction and braking.
- Zigzag grooves deliver precise steering performance.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
22.5"	275/70R22.5	16	TL	150/148 J (152/148 E)	8.25	3350	7390	3150	6940	130	900	17.0	282	967	
	275/70R22.5	18	TL	152/149 J	8.25	3550	7830	3250	7160	130	900	17.0	282	967	

- Tire construction and material specifications are subject to change without notice nor obligation.

OH-404

Cost-Effective All-Road Tire



- Extra-deep tread delivers superior traction and extended mileage.
- Open shoulders ensure quick water evacuation and firm grip.
- Rugged casing supports multiple retreads.



Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
24"	325/95R24 (12.00R24)	22	TL	162/160 F	9.00	4750	10500	4500	9920	125	860	31.0	313	1230	

- Tire construction and material specifications are subject to change without notice nor obligation.
- POR = Professional Off-Road

OH-650

Winter Truck Tire for Confident Driving



- Studded tread pattern ensures strong grip in winter conditions.
- Special winter compound delivers excellent grip and high mileage in cold weather.
- Robust casing provides endurance and retreadability.



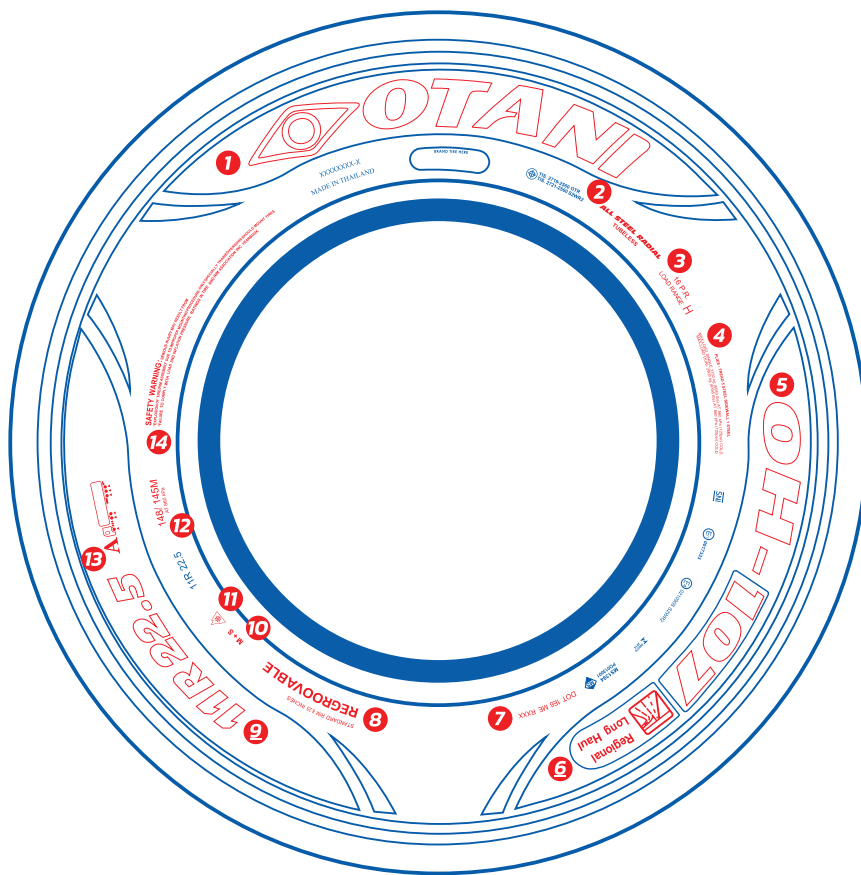
Recommended Tire Position



RIM DIAMETER	TIRE SIZE	PR	TYPE	LOAD INDEX SPEED SYMBOL	STANDARD RM WIDTH		MAX LOAD SINGLE		MAX LOAD DUAL		RELATIVE PRESSURE		INFLATED DIMENSION (mm)		
					(Inch)	(kg)	(lbs)	(kg)	(lbs)	(psi)	(kPa)	TREAD DEPTH	SECTION WIDTH	OVERALL DIAMETER	
19.5"	225/70R19.5	14	TL	128/126 L	6.75	1800	3970	1700	3750	110	760	15.0	220	817	

- Tire construction and material specifications are subject to change without notice nor obligation.

SYMBOLS AND MARKINGS ON THE TIRE SIDEWALL.



- | | |
|---|--|
| 1. "OTANI" (Trademark) | 8. Regroovable Marking |
| 2. Tire Type | 9. Tire Size |
| 3. Ply Rating & Load Range | 10. M+S Marking |
| 4. Construction, Load Capacity & Pressure | 11. 3PMSF (Three-Peak Mountain Snowflake) |
| 5. Pattern Name | 12. Load Index & Speed Symbol |
| 6. Tire application | 13. Tire Position |
| 7. DOT (U.S.A. Safety Standard Certification Symbol) | 14. Safety Warning |

INTERPRETATION TIRE SIZES



SPEED SYMBOL

The Speed Symbol indicates the speed at which the tire can carry a load corresponding to its load index under service conditions specified by the tire manufacturer.

SPEED SYMBOL	E	F	G	J	K	L	M
SPEED (km/h)	70	80	90	100	110	120	130
SPEED (mph)	44	55	56	62	69	75	81

LOAD INDEX

The load Index is the numerical code associated with the maximum load a tire can carry at the tire indicated by the tire manufacturer.

LOAD INDEX	kg	lbs	LOAD INDEX	kg	lbs	LOAD INDEX	kg	lbs
116	1230	2755	133	2060	4540	150	3350	7385
117	1285	2835	134	2120	4675	151	3450	7605
118	1320	2910	135	2180	4805	152	3550	7825
119	1360	3000	136	2240	4940	153	3650	8045
120	1400	3085	137	2300	5070	154	3750	8265
121	1450	3195	138	2360	5250	155	3875	8545
122	1500	3305	139	2430	5355	156	4000	8820
123	1550	3415	140	2500	5510	157	4125	9095
124	1600	3525	141	2575	5675	158	4250	9370
125	1650	3640	142	2650	5840	159	4375	9645
126	1700	3750	143	2725	6010	160	4500	9920
127	1750	3860	144	2800	6175	161	4625	10195
128	1800	3970	145	2900	6394	162	4750	10470
129	1850	4080	146	3000	6615	163	4875	10745
130	1900	4190	147	3075	6780	164	5000	11025
131	1950	4300	148	3150	6945	165	5150	11355
132	2000	4410	149	3250	7165			

TIPS TO OPTIMIZE TIRE LIFE

Inflation Pressure

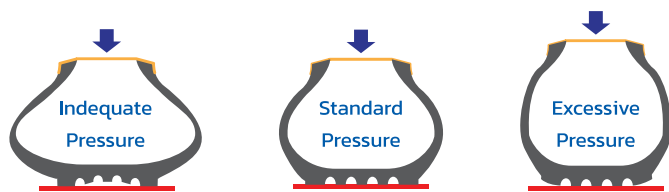
Inflate tire based on their pressure capacity, load, speed and usage conditions.

Tires must be inflated appropriately

- Under-inflation is detrimental to tires. It can cause frequent treadwear from shoulders, heating up of tires, decreasing their durability and fuel economy.
- Over-inflation can lead to excessive wear from centertread, hence shortening the lifespan of tire.

Recommendation:

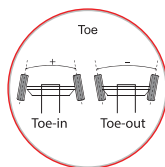
Users should regularly maintain and inspect tire pressure at least once a month, as tires can lose up to 10 psi of air pressure within one month.



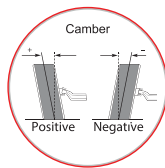
Wheel Alignment

- Poor wheel alignment can have a negative impact on handling, steerability, and stability of the vehicle.
- 3 key parameters must be looked into to align the wheels properly.

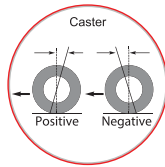
Toe – It is the angle formed by two horizontal lines through the planes of two wheel. From the front view, Toe-in is when the front side of the wheels are inclined towards inside. Excessive toe-in wears the outside of the tire. Excessive toe-out wears the inside of the tire.



Camber – It is the inclination of the tires either inside or outside from the front view of the tires. Make sure that the tires are aligned in a straight direction to optimize steer tire wear and minimize irregular wear. Wear from positive camber is on the outside shoulder of the tire; with negative camber, wear is on the inside shoulder.



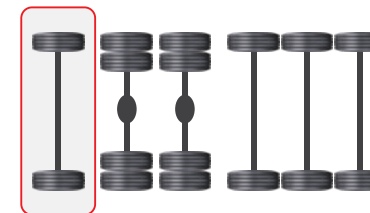
Caster – It is the forward or rearward tilt of the steering axis in reference to a vertical line. It is usually a factor in vehicle handling, but it can affect tire wear. Proper caster is important for directional stability and returnability. Improper caster can cause shimmy, excessive steering effort, pulling and shoulder wear on the steer tires.



TIRE ROTATION

Steer Axle

- The driver's side steer tire tends to wear faster than normal due to the design and operation of the steering system.
- The passenger's side tire tends to wear unevenly. The road slope causes a slower wear rate on this side.

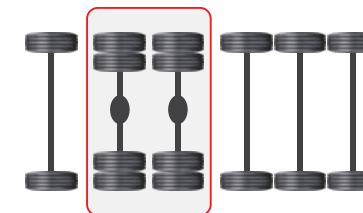


Recommendation:

Rotate the left and right tires at every 50% of tread wear. If shoulder wear occurs, the tires should be dismantled and flipped.

Drive Axle

- The inner tires will typically experience wear on the inner shoulder.
- Abnormal wear may appear in a saw-tooth pattern (Heel-and-toe wear).

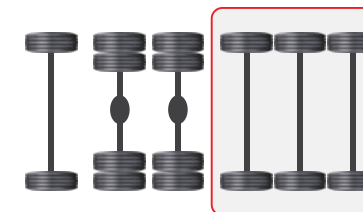


Recommendation:

- For Single Axle : Swap the inner tires to the outer position. If uneven wear or shoulder wear is detected, dismantle and flip the tires.
- For Tandem Axle : After 50% wear, rotate the front and rear sets of tires.

Trailer Axle

- If the inner shoulder of the trailer tires wears unevenly or faster than normal, it may be caused by the road slope, camber angle, suspension issues, or load distribution.
- For 2 axle and 3 axle trailers, tire wear is affected by severe scrubbing during turns. The impact on usable life is shown in the tables below:



2 Axle Type		3 Axle Type	
Axle	Usable Life	Axle	Usable Life
1	80%	1	75%
2	100%	2	100%
		3	60%

Recommendation:

Tires should be rotated periodically according to the wear ratio for 2-axle and 3-axle configurations. When tread wear reaches 50%, tires should be rotated from inner to outer positions. If uneven wear occurs, adjust rotation to ensure more uniform wear.



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