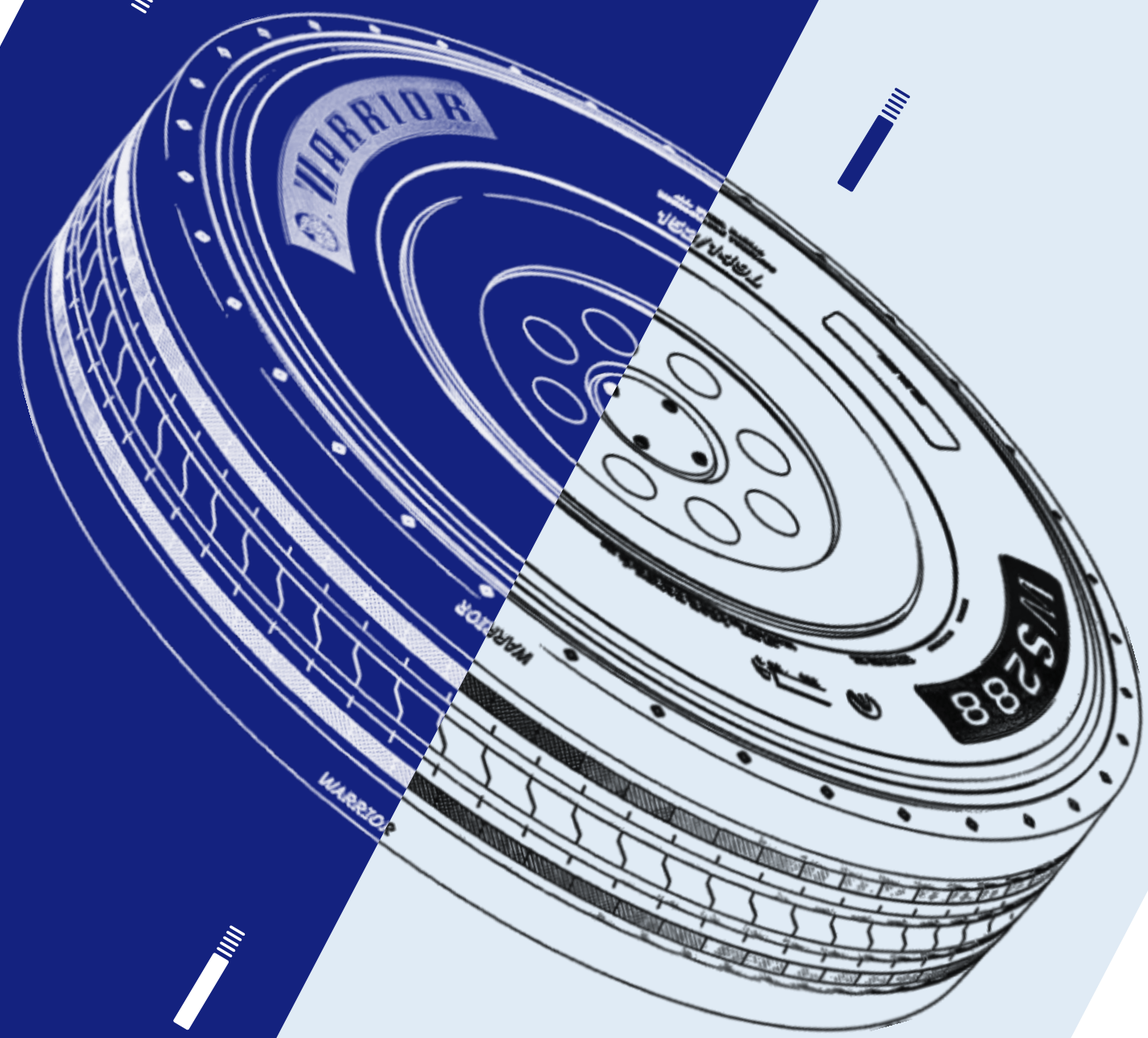
WARRIORTYRE

2024 WARRIOR TBR CATALOGUE

「 TOGETHER STRONGER 」



「INTRODUCTION」

Double Coin Tire Group Ltd, affiliated to Shanghai Huayi Group, is the first listed company in domestic tire industry. In 1929 and 1935, the founders of the company established the national brands “Double Coin ” and “Warrior ” in China’s rubber industry.

The company combines the introduction of technology with independent innovation, develops and manufactures a number of firsts in China’s tire industry, cultivates and drives the development of China’s tire industry.

1929
Double Coin ® @
DaZhonghua Factory

1934
1st auto tire in China

1935
Warrior ® @
Zhengtai Factory

1964
1st radial tire in China

1990
Est of Shanghai Tire
& Rubber Group

1992
Listed in Shanghai
Stock Exchange

2001
1st JV with Michelin
in Shanghai

2002
the First Chinese All-Steel
Radial OTR Tire produced

2003
the First Chinese All-
Steel Radial Industrial
Tire Produced

2007
Restructure--Double
Coin Holdings Ltd

2010
the First Chinese Green Tire
Certified by EPA of USA

2011
2nd JV with
Michelin in Anhui

「TECHNIQUE」

WD266

WD266 IS SUITABLE FOR REGIONAL TRUCKS DRIVE POSITION.

① Six tread block design, transverse grooves, provide strong traction performance;

② Deep tread grooves on the shoulders, special drive position formula design, better tyre heat dissipation performance;

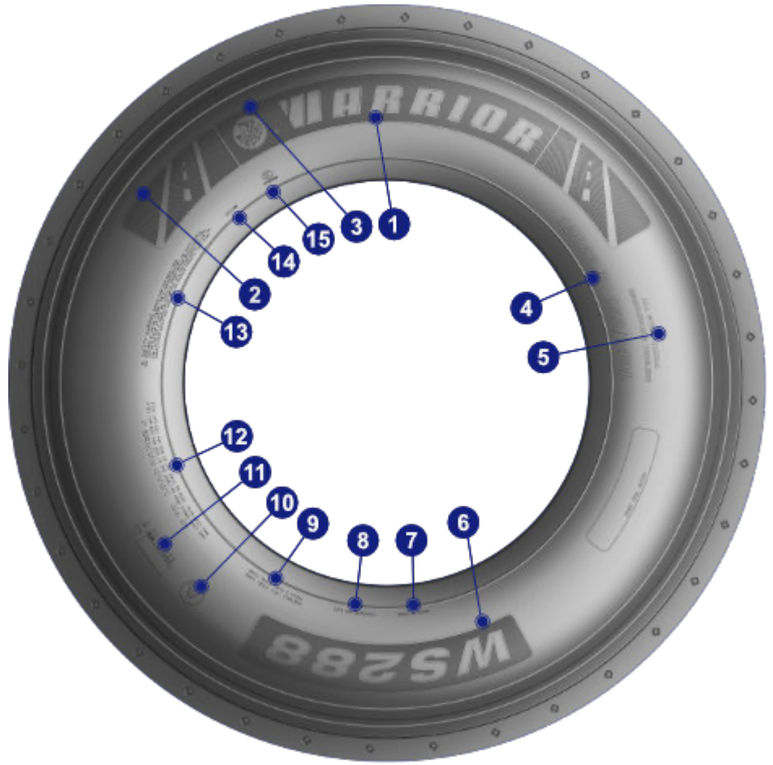
③ High saturation pattern, increase the tread area, Longer service life;

④ Pattern block time reinforced Rib design, which can effectively prevent irregular wear;

⑤ Optimized crown curvature design, effectively prevent eccentric wear;

⑥ Reinforced skeleton material, can be retread for several times.

「HOW TO READ TYRE MARKINGS」



CORRESPONDING NUMBER

1. Brand Name.
2. Application Sign.
3. Brand Logo.
4. Size Name.
5. Type of Construction.
6. Product Name.
7. Country of Production.
8. Compatible rim size.
9. Tyre Construction.
10. Application Sign.
11. Recommend Vehicle type and positions.
12. PR, Load Index, Max load capacity by single and dual use. Recommend air pressure.
13. Safety Warning.
14. Mold Reference.
15. 3C reference Number.

「PRODUCT LINE RECOMMENDATION」

WARRIORTYRE

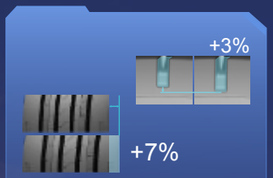
「TRUCK APPLICATION」

Working condition / Road	LONG HAUL	REGIONAL	ON/OFF ROAD	OFF ROAD	URBAN	COACH	WINTER
Steer	WS201, WS210, WS270, WS288	WS102, WS200, WS202, WS215, WS218, WS229, WS258, WS260					
Drive	WD236, WD428	WD216, WD217/RLB450, WD218, WD219, WD266	WD406, WD407, WD409, WD418, WD419, WD468, WD477H, WD510, WD605, WD615	WD506, WD595, WD596, WD979, WD989/WD989H, WD993, WD998			WSD1
Trailer	WS227, WS291, WR100, WR330, WR707, WT100	WS208, WS228, WR220, WT730					
All Position	WS277	WS206, WS225, WS256, WS268, WS309A, WS320	WS230, WS233, WS237, WS239A, WS401, WS403, WS405/WS405N, RR99, WD408		WS206, WS300, WS301, WS303, WS306, WS309A	WS102, WS201, WS229	

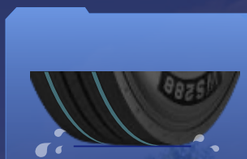
「LONG HAUL」

WS288

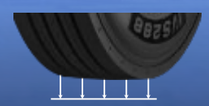
WS288 IS SUITABLE FOR LONG HAUL TRUCKS STEER POSITION.



The tread width is 7%+ wider than normal design, improving mileage by 5%+, and the tread depth is 3%+ deeper than normal design, thus the tyre life is improved by 8%+.



Widened the tread design to increase the tyre life. With the shoulder groove design, excellent wet grip performance can be got.



Optimized footprint design

--Based on finite element analysis, tyre can be more evenly stressed when touches the ground

--The tyre life can be increased by preventing irregular wearness and get better steer performance.

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WS288	11R22.5	16PR	148/145	M	1051	16.5	282	8.25
	12R22.5	18PR	152/149	L	1081	17	301	9.00
	275/80R22.5	18PR	149/146	M	1030	16.5	284	8.25
	295/60R22.5	18PR	150/147	L	921	16.5	286	9.00

- Special tread compound with ratio of groove and block design render outstanding wear resistance.
- Circumferential tiny and deep grooves on the shoulder reduce irregular wear at high speed.
- Special shoulder design and low heat formula improves tyre heat dissipation.

WS201 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11R22.5	16PR	148/145	M	1051	15	282	8.25	3150	6940	850	123	2900	6395	850	123

- Two-layer tread design for better wear resistance in the top layer and slower heat generation in the buttom layer comprehensively increases mileage.
- Optimum ratio of tread improves tread resistance against eccentric wear.
- Unique center design effectively reduces irregular wear.
- Stone-removal construction effectively protects tread base and extends service life.
- Optimized tread angle for balanced driving and stability to ensure safe handling.

WS210 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
265/70R19.5	16PR	143/141	K	873	14.5	255	7.50	2725	6010	860	125	2575	5670	860	125

- New sidewall appearance design highlighted the using road condition and vehicle information.
- New wear-resistance formula further improves abrasion-resistance and prolong tyre service life
- Nylon reinforcement at bead toe can prolong the service life of tyre and improve the loading capacity.

WS270 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1083	16.5	297	9.00	3550	7830	930	135	3250	7160	930	135
315/80R22.5	18PR	156/152	L	1083	16.5	302	9.00	4000	8820	830	120	3550	7830	830	120
295/80R22.5	18PR	152/149	M	1042	14.8	292	9.00	3550	7830	900	130	3250	7160	900	130

- New wear-resistant and low heat generation formula.
- Finite element optimization contour design.
- New upgrade appearance.
- S-shaped stone-removal design.

WS288 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11R22.5	16PR	148/145	M	1051	16.5	282	8.25	3150	6940	850	123	2900	6390	850	123
12R22.5	18PR	152/149	L	1081	17	301	9.00	3550	7830	930	135	3250	7160	930	135
275/80R22.5	18PR	149/146	M	1030	16.5	284	8.25	3250	7160	900	130	3000	6610	900	130
295/60R22.5	18PR	150/147	L	921	16.5	286	9.00	3350	7390	900	130	3075	6780	900	130

- Four straight grooves and S-shaped zigzag wall design, providing excellent stone discharge performance.
- Optimized crown arc and material distribution, more uniform ground imprinting.
- Highly wear-resistant tread formula to improve overall driving range.
- High strength skeleton material and reinforced submouth design are used to improve the bearing capacity.

WS277 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1082	17.5	299	9.00	3550	7830	930	135	3250	7160	930	135

- The patented anti-stone structure is beautiful and has a good protective effect.
- The variable ditch is later converted into a tow pulley.
- Five mahjong form to improve drive ability.
- High tread saturation and new formulation design, retaining two main grooves to improve wear resistance.

WD236 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1092	20	296	9.00	3550	7830	930	135	3250	7160	930	135

- Open shoulder and special tread formula, improve the heat dissipation performance of the tyre.
- More reasonable driving surface design, improve tyre ground pressure, improve handling performance.
- Horizontal pattern groove design, improve drainage performance.
- The shoulder groove is reinforced to improve the anti-bias wear performance.

WD428 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1092	21	296	9.00	3550	7830	930	135	3250	7160	930	135

- New sidewall appearance design highlighted the using road condition and vehicle information.
- New wear-resistance formula further improves abrasion-resistance and prolong tyre service life.
- Nylon reinforcement at bead toe can prolong the service life of tyre and improve the loading capacity.

WS227 Trailer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1083	16.5	297	9.00	3550	7830	930	135	3250	7160	930	135

- Stone-removal structure effectively protect the tread base, prolong the service life of ture.
- Variable pattern arrangement and full steel sheet design can effectively reduce tyre rolling noise.
- Optimized design of driving surface and shoulder improve tyre grounding pressure and reduces uneven-wear.
- Special groove design reduces tread damage and extends driving distance.

WS291 Trailer Axle

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S	385/55R22.5	20PR	160	K	995	15	378	12.25	4500	9920	900	130	–	–	–	–
M+S	385/65R22.5	24PR	164	K	1069	15	378	11.75	5000	11000	900	130	–	–	–	–

- Four straight trenches, combined with transverse steel sheet design, provide excellent drainage performance and grip performance.
- Special tread formula and reasonable groove ratio design provide excellent wear resistance.
- Ditch bottom stone drainage design, reduce the stone, effectively protect the tread base, extend the service life of the gun tyre.
- High strength skeleton material is used to effectively resist external impact and improve the bearing capacity.

WR100 Trailer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1080	14	300	9.00	3550	7830	930	135	3250	7160	930	135

- Four straight trenches, combined with transverse steel sheet design, provide excellent drainage performance and grip performance.
- Special tread formula and reasonable groove ratio design provide excellent wear resistance.
- Ditch bottom stone drainage design, reduce stone clamping, effectively protect the tread base, extend the service life of the tyre.
- High strength skeleton material is used to effectively resist external impact and improve load bearing capacity.

WR330 Trailer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1074	14	292	9.00	3550	7830	930	135	3250	7160	930	135

- Classic three-line matching anti-lightning ray pattern groove wall, both beautiful and practical.
- Widened travel surface design, more uniform grounding performance, and improved wear performance.
- Enhanced skeleton materials ensure safe transportation.
- New adhesive formula, improved driving range and heat dissipation performance simultaneously.

WR707 Trailer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1079	14.5	300	9.00	3550	7830	930	135	3250	7160	930	135

「LONG HAUL」

WT100 Trailer Axle

- Outstanding resistance to uneven wear.
- Long mileage.
- The width of tread running surface and the density of pattern are increased to promote driving distance and operation efficiency.
- Finite element optimization tyre crown design and rugged shoulder pattern reduce uneven wear and prolong service life.
- Complex angle design of grooves protects carcass, avoids stone pinching, improves puncture-resistant performance.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1082	15.5	298	9.0	3550	7830	930	135	3250	7160	930	135

「REGIONAL」

FOOT+ & LIFTING JACK

High strength carcass steel cord, 200% load capacity, suitable for overload mixed road conditions all position application.

WD418 WS215

+11%

The tread width is 11%+ wider than normal design and wear resistance is increased, thus the tyre life is improved by 12%+.

Lateral grooves extend from shoulder to center for enhanced traction.

Reinforcing ribs between blocks offset stress in different directions, resulting in more uniform wear and longer tyre life.

The pattern blocks are stronger and adapt to harsher road conditions.

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WS215	385/65R22.5	24PR	164	K	1070	16	308	11.75

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WD418	13R22.5	20PR*	156/153	K	1123	20	321	9.75
	12.00R24	20PR	160/157	K	1237	20.5	320	8.5

FOOT+

WS202

WS202 IS SUITABLE FOR COACH ALL POSITION.

260mm

+15.5%

16.5mm

+17.86%

The tread width is 15.5%+ wider than normal design, improving mileage by 13.3%+, and the tread depth is 17.86%+ deeper than normal design, thus the tyre life is improved by 28.5%+.

The U-shaped package structure design with steel wire wrapped to protect the carcass end points, and an extra layer of nylon reinforcement, this design of bead can avoid the empty and crack bead effectively.

0.25+6+12*0.225ST
N≥2580

+50%

3*0.24/9*0.225CCST
N≥1700

Carcass adopts the steel wire of 0.25+6+12*0.225ST, the Breaking Force is N≥2580, the strength is higher at least 50% than the regular products which competitors which adopts the steel wire of: 3*0.24/9*0.225CCST, the Break Force N≥1700.

4 belts ply design for Tread part meanwhile, there is also cut separation in the end between 2# and 3# Plys. This can provide more uniform of the force distribution on the crown, and the end surface of the working layer also avoids stress concentration. The design can also improve the performance to avoid the empty shoulder and U-shaped crack.

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WS202	315/80R22.5	20PR	157/154	L	1084	16.5	317	9.00
	315/80R22.5	22PR	160/157	J	1084	16.5	317	9.00

- Four grooves design promotes steering and draining under high speed; Transverse steel sheets provide great traction and superior anti-skid resistance.
- High-abrasive tread compound promotes longer mileage and widened shoulder reduces tyre abrasion.
- Wide belt package better stabilizes the tread and builds up resistance against accidental puncture.

WS102 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
6.50R16LT	12PR*	110/105	L	746	12	185	5.50F	1060	2337	670	97	925	2039	670	97
7.00R16LT	14PR	118/114	L	771	12	200	5.50F	1320	2910	770	112	1180	2600	770	112
7.50R20	14PR	130/128	L	937	14.5	210	6.0	1900	4190	830	120	1800	3970	830	120
8.25R20	14PR	136/134	L	975	14.5	235	6.5	2240	4940	830	120	2120	4675	830	120
11R22.5	16PR	148/145	M	1053	16.5	282	8.25	3150	6940	850	123	2900	6395	850	123
12R22.5	18PR	152/149	M	1080	16.5	304	9.00	3550	7830	930	135	3250	7160	930	135
M+S 295/60R22.5	18PR	150/147	L	921	16.5	286	9.00	3350	7390	900	130	3075	6780	900	130
M+S 295/80R22.5	18PR	152/149	M	1055	16.5	304	9.00	3550	7830	900	130	3250	7160	900	130
M+S 315/70R22.5	20PR*	156/150	L	1017	14.5	313	9.00	4000	8820	900	130	3350	7390	900	130
M+S 315/80R22.5	20PR	157/154	L	1085	16.5	318	9.00	4125	9090	900	130	3750	8270	900	130

- Special tread compound and optimized ratio of groove and block design promotes outstanding abrasion-resistance.
- Wider tread improves tyre pressure.
- New pattern design with strip curved grooves meet steering needs; tiny transverse steel sheets improve adaptability in different wheel positions.
- Special stone-removal construction effectively protects tread base to increase service life.

WS200 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11.00R20	18PR	152/149	L	1088	16.5	292	8.0	3550	7830	930	135	3250	7160	930	135

- Special tread compounds deliver exceptional mileage in a variety of specialty trailer applications.
- 5-rib design promotes superior handling, stability and traction
- Solid shoulders and siping design fight irregular wear, promoting better tyre performance.
- Casing design and 4 steel belts provide a high level of protection from road hazards.

WS202 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
215/75R17.5	16PR	135/133	J	771	13	214	6.00	2180	4805	860	125	2060	4540	860	125
235/75R17.5	18PR	143/141	L	789	14	246	6.75	2725	6010	860	125	2575	5680	860	125
255/70R22.5	16PR	140/137	N	932	13	246	7.50	2500	5510	830	120	2300	5070	830	120
315/80R22.5	20PR	157/154	L	1084	16.5	317	9.00	4125	9090	900	130	3750	8270	900	130
315/80R22.5	22PR	160/157	J	1084	16.5	317	9.00	4535	10000	900	130	4125	9090	900	130

- The grooves and blocks are constructed to repel stones, which improves mileage.
- Built to provide superior durability and strength.
- The tread is 7% wider than common design, which increases mileage by 8%+. The tread depth is 6% deeper than normal design, tyre pattern saturation is improved and tyre life is increased by 15%+.

WS215 Steer Axle

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S	385/65R22.5	24PR	164	K	1070	16	375	11.75	5000	11000	900	130	–	–	–	–

- Newly designed tread formulation containing wear-resistant carbon black and polymers provide excellent wear-resistance.
- High saturation of pattern design increase contact area, therefor providing excellent wear-resistance.
- Optimized tyre profile and wider tread width avoid damage to carcass,making it possible to retread the tyre.
- Optimized tyre profile and wider tread width avoid damage to carcass,making it possible to retread the tyre.
- Special groove walls with stone-removal design can prevent puncture on crown effectively,meanwhile prolong use life.

WS218 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
315/60R22.5	20PR	154/148	L	946	13.5	314	9.75	3550	7830	900	130	3150	6940	900	130

- Four grooves and tiny transverse grooves at the edge of tread provide excellent water-removal and traction.
- Low heat compound is used for tread base, especially suitable for high speed driving.
- Innovative contour design enhances uniform wear and extends longer mileage.

WS229 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
295/80R22.5	18PR	152/149	M	1055	16.5	304	9.00	3550	7830	900	130	3250	7160	900	130

- High wear-resistance formula for upper layer tread, combined with high saturation design, provide excellent wear resistance performance.
- Optimized crown contour design providebetter grounding pressure distribution, reduces uneven abrasion and improves eccentric abrasion resistance.
- Adoption of new high stength carcass material and reinforced bead design improve loading capacity.
- Low heat compound improve durability at high speed and reduce crown failure rate.

WS258 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1083	17	301	9.00	3550	7830	930	135	3250	7160	930	135

- Four grooves design and transverse steel sheets provide great traction and superior anti-skid resistance.
- Specialized tread compound and rational ratio of blocks and grooves provide excellent abrasion-resistance.
- Stone-removal design protects the tread foundation and prolong the life service.
- High strength carcass effectively resists external impact and im- proves loading capacity.

WS260 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11.00R20	18PR	152/149	J	1081	14	290	8.0	3550	7830	930	135	3250	7160	930	135

- Special tread compound and reasonable block-groove ratio design provides excellent abrasion resitant performance.
- New pattern design which is mainly adoptiong a certain curva- ture strip groove meets the demand of steering.
- The small hori- zontal steel discs improve the applicabillty of different wheel po-sition.
- Open shoulder design improves the heat dissipation of tyre.

WS225 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R24	20PR	160/157	K	1223	15	315	8.5	4500	9920	900	130	4125	9090	900	130

- Wider tread arc width provides longer driving mileage.
- Optimized crown design improves grounding uniformity and reduce irregular wear.
- Two-layer tread design for better wear resistance in the top layer and slower heat generation in the bottom layer comprehensively increases mileage.
- Stone removal design protects the carcass.

WS206 All Position

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S	215/75R17.5	16PR	127/124	M	772	13	216	6.00	1750	3860	830	120	1600	3525	830	120
M+S	235/75R17.5	16PR*	132/130	M	802	13	232	6.75	2000	4410	830	120	1900	4190	830	120
M+S	245/70R19.5	16PR	136/134	M	844	14.5	246	7.50	2240	4940	830	120	2120	4675	830	120

- The new straight strip and zigzag groove combination design has good grip and fuel saving.
- Stone-removal design greatly improve the anti-puncture performance
- Carcass material and strengthened crown design improve loading capacity.
- Tubeless design makes the tyre more economical and practical.

WS256 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.50R16LT	16PR	125/121	L	805	12.5	211	6.00G	1650	3640	870	126	1450	3195	870	126
8.25R16LT	18PR	132/128	L	864	14	232	6.50H	2000	4410	870	126	1800	3970	870	126

WS268

All Position

- High saturation pattern design provide excellent wear-resistance.
- Finite element optimized crown profile design make contact more uniformly,reduce irregular wear.
- Low heat-generation formulation in tread base improves high-speed durability and reduces rolling resistance.
- High strength steel combined with rubber gluing technology,pro- mote safety performance in high speed.
- Brand-new side wall design highlight scope of application and wheel position.
- 7.00R16LT in the following list can be used without tube.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.00R16LT	14PR	118/114	L	766	10.5	200	5.50F	1320	2910	770	112	1180	2600	770	112
12R22.5	18PR	152/149	L	1081	15	298	9.00	3550	7830	930	135	3250	7160	930	135

WS309A

All Position

- The upper layer enhances wear resistance and lower layer provides heat dissipating, which makes the produces suitable for mountainous areas.
- Multiple transverse tiny grooves are designed to provide excellent grip and handling performance for wet and slippery roads in mountainous areas.
- High saturation patterns and optimized crown design improve wear resistance and reduce irregular wear.
- The three longitudinal pattern with stone-removal structure reduces stone inclusion and protect the carcass.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.00R16LT	14PR	118/114	L	775	14	200	5.50F	1320	2910	770	112	1180	2600	770	112
9R22.5	14PR	136/134	K	974	14.5	230	6.75	2240	4940	830	120	2120	4675	830	120
10R22.5	16PR	144/142	L	1023	16	254	7.50	2800	6175	900	130	2650	5840	900	130

WS320

All Position

- Four grooves and tiny transverse grooves at the edge of pattern block provide excellent water-removal and traction.
- High-performance tread compound promotes wear resistance; special rib design reduces stone pinching and crown damage and longer mileage.
- Low-heat formula reduces tyre heat generation.
- Excellent traction in wet and dry conditions.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.50R16LT	14PR	122/118	L	808	12.5	210	6.00G	1500	3305	770	112	1320	2910	770	112
9.5R17.5	18PR	143/141	J	840	13	236	6.75	2725	6010	860	125	2575	5670	860	125
245/70R17.5	18PR	143/141	J	790	14	246	7.50	2725	6005	875	125	2575	5675	875	125
275/70R22.5	16PR	144/141	M	960	13	268	8.25	2800	6175	830	120	2575	5675	830	120

WD216

Drive Axle

- Optimized contour design provides improves tread resistance against eccentric wear, gains longer mileage.
- More reasonable design of tread cap improves the contact pressure of tyre, controllability and fuel saving.
- Optimized ratio of groove and block design promotes tyre abrasion-resistance.
- Wide transverse pattern and grooves design enhances driving performance and wet skid resistance.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1084	19	298	9.00	3550	7830	930	135	3250	7160	930	135
295/80R22.5	18PR	152/149	M	1049	19	292	9.00	3550	7830	900	130	3250	7160	900	130
315/80R22.5	20PR	157/154	L	1084	19	302	9.00	4125	9090	900	130	3750	8270	900	130

- Wide transverse pattern and grooves design enhances driving performance and wet skid resistance.
- Optimized ratio of groove and block design promotes tyre abrasion-resistance.
- Open shoulder structure and special tread compound facilitate tyre heat radiating.
- Wider tread arc width improves the contact pressure of tyre.

WD217 (RLB450)

Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
9.5R17.5	16PR	133/131	L	848	17	236	6.75	2060	4540	830	120	1950	4300	830	120
13R22.5	18PR*	154/151	J	1121	19	318	9.75	3750	8270	850	123	3450	7610	850	123
295/80R22.5	18PR	152/149	M	1062	23	293	9.00	3550	7830	900	130	3250	7160	900	130
295/60R22.5	18PR	150/147	L	926	19	289	9.00	3350	7390	900	130	3075	6780	900	130
315/60R22.5	16PR	152/148	L	960	19.5	318	9.75	3550	7830	900	130	3150	6940	900	130
12.00R20 (RLB450)	20PR*	156/153	J	1130	19	314	8.5	4000	8820	900	130	3650	8050	900	130

- Optimized design of shoulder, size and angle of middle pattern block prevent irregular wear and tear.
- Wider transverse pattern groove design provides strong driving performance.
- Open shoulder design and special tread formulation improve heat radiating performance.
- Optimized design of driving surface improves the distribution of grounding pressure and improves the handling performance.

WD218

Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S 295/80R22.5	18PR	152/149	L	1059	21	308	9.00	3550	7830	900	130	3250	7160	900	130

- Widen transverse groove design enhances driving performance.
- Wider tread arc width and finite crown design prevent irregular wear and improve the service life.
- High pattern saturation, combined with wear-resistance tread formula provides excellent wear resistance.
- Open shoulder design improves tyre heat dissipation, increases the performance and durability.

WD219

Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S	315/70R22.5	20PR	152/148	M	1028	20.5	313	9.00	3750	8270	900	130	3350	7390	900	130
M+S	315/80R22.5	20PR	157/154	L	1095	21.5	319	9.00	4125	9090	900	130	3750	8270	900	130

- High saturation of pattern design increase the tread arc width, provides longer service life.
- The size and angle of the pattern block in the shoulder and middle is optimized, strengthened connecting ribs in tyre shoulder effectively prevent irregular wear.
- Optimized crown radian design effectively prevents eccentric wear.
- Reinforced carcass with new designed tread formula prevents damage and increase the the possibility of retread.

WD266

Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11R22.5	16PR	148/145	L	1063	22.5	281	8.25	3150	6940	850	123	2900	6395	850	123
12R22.5	18PR	152/149	L	1095	23.5	299	9.0	3550	7830	930	135	3250	7160	930	135

WS208 Trailer Axle

- Special designed tread compound and reasonable ratio of grooves and blocks promotes tyre abrasion-resistance.
- Optimized crown design improves grounding uniformity and reduce irregular wear.
- The special design of four zigzag grooves and transverse tiny grooves provide excellent water-removal and traction.
- Strong carcass material and special compound improve the strength and flexibility of the carcass, and also prolong the service life of the tyre.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S 385/65R22.5	20PR	160	K	1070	16	380	11.75	4500	9920	900	130	–	–	–	–
425/65R22.5	20PR	165	K	1129	16	420	13.00	5150	11400	830	120	–	–	–	–

WS228 Trailer Axle

- High saturation of pattern design increase the tread arc width, provides longer service life.
- Closed shoulder design avoids abnormal wear.
- Low heat tread compound improves crown durability.
- Special pattern design provides excellent drainage performance, both dry and wetland grip performance, which meets the different wheel positions needs at the same time.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1081	17.5	297	9.00	3550	7830	930	135	3250	7160	930	135

WR220 Trailer Axle

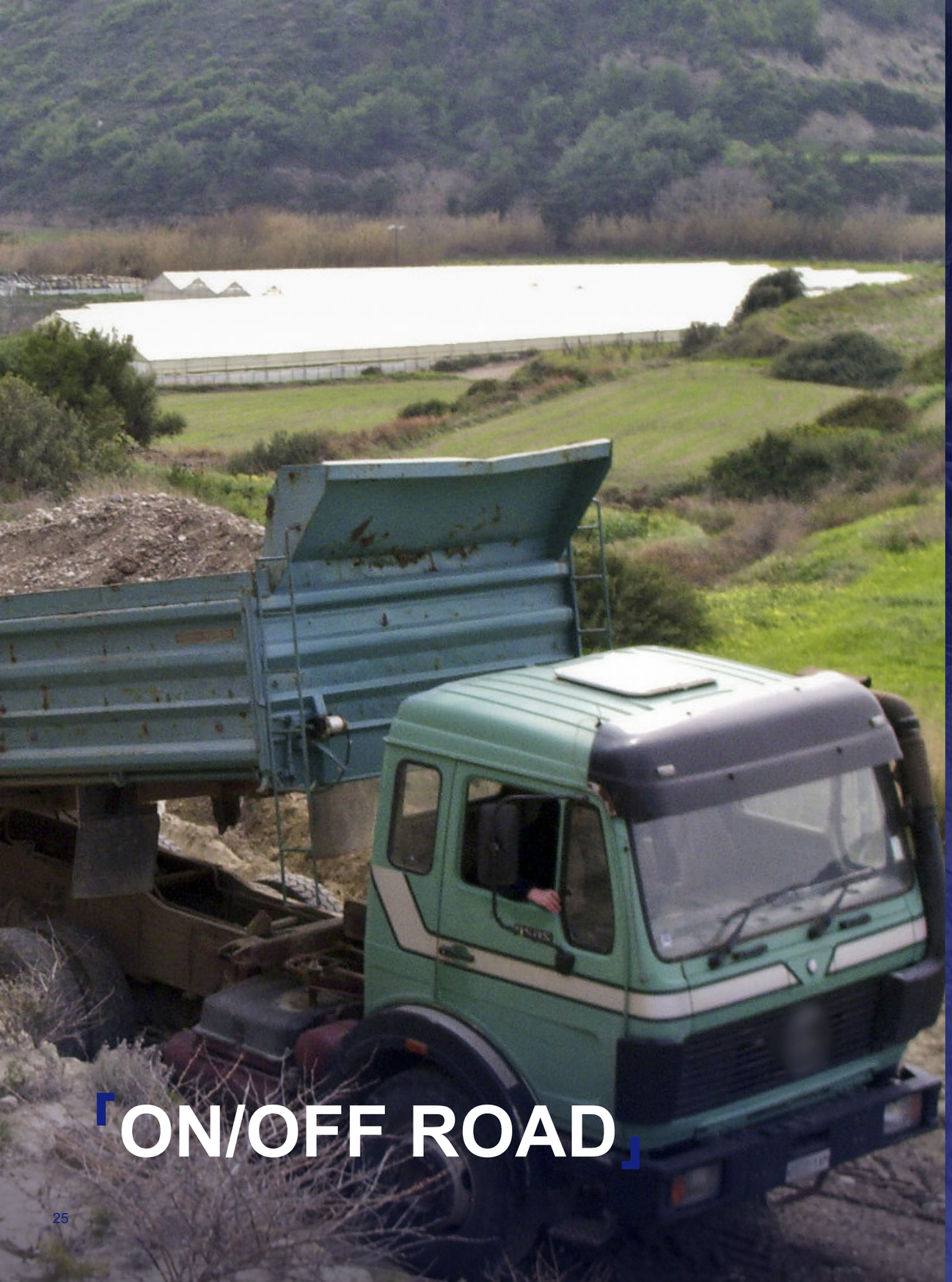
- High saturation in pattern design and better wear-resistant fomular in the top layer provide excellent abrasion-resistance.
- Optimized crown contour design providebetter grounding pressure distribution, reduces uneven abrasion and improves eccentric abrasion resistance.
- New designed structure with less weight and more strength, reduced the total weight of vehicle and also the oil consumption.
- Low heat compound improves high-speed durability and reduces crown failure rate.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1080	14.5	300	9.00	3550	7830	930	132	3250	7160	930	132

WT730 Trailer Axle

- As a medium-to-long-distance, tugboat tyre, it not only improves safety, but also takes into account economy and wear resistance.
- A new contour design is adopted to make the ground contact pressure distribution of the tyre more uniform and the anti-eccentric wear performance is better.
- The widening design of the running surface makes the wear mileage of the tyres higher.
- Optimize the tread formula, reduce the heat generation of the tyre shoulder, and improve the durability.
- The overall performance has been further enhanced compared with the original series products, and the tyre footprint is more uniform.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
235/75R17.5	18PR	143/141	J	802	13.5	232	6.75	2725	6010	860	125	2575	5680	860	125
245/70R17.5	18PR	143/141	J	798	13.5	244	7.50	2725	6005	875	125	2575	5675	875	125
245/70R19.5	18PR	141/140	J	844	14.5	248	7.50	2575	5675	860	125	2500	5510	860	125



「ON/OFF ROAD」

LIFTING JACK

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WS237	12.00R20	20PR*	156/153	K	1124	17	314	8.5

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WD477H	12.00R20	20PR*	156/153	J	1128	19.5	313	8.5

- Deep grooves on wider tread provide superior wear resistance.
- Tread and transverse pattern on shoulder offers excellent wheel adaptability.
- Optimized block design improves tyre resistance against side wear.
- Great sidewall wear resistance.

WS230 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11.00R20	18PR	152/149	K	1084	15.5	292	8.0	3550	7830	930	135	3250	7160	930	135
12.00R20	18PR*	154/151	L	1123	15.5	305	8.5	3750	8270	830	120	3450	7610	830	120

- Superior load-carrying capacity.
- Better abrasion-resistance performance.
- Longer driving distance.
- Enhanced bead and tearing-resistant bead filler promotes loading performance and operation efficiency.
- Low heat formula with half-open shoulder reduces error rate and increases safety performance.
- Finite element optimization tyre crown design for improving homogeneity of contract, service life and operation efficiency.

WS233 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11.00R20	18PR*	152/149	K	1085	17.5	292	8.0	3550	7830	930	135	3250	7160	930	135
12.00R20	18PR*	154/151	K	1127	17.5	314	8.5	3750	8270	830	120	3450	7610	830	120
11R22.5	16PR	148/145	L	1055	17.5	281	8.25	3150	6940	850	123	2900	6390	850	123
12R22.5	18PR	152/149	L	1091	17.5	295	9.0	3550	7830	930	135	3250	7160	930	135
13R22.5	18PR*	154/151	K	1126	17.5	310	9.75	3750	8270	850	123	3450	7610	850	123
275/70R22.5	16PR	148/145	L	968	17.5	278	8.25	3150	6940	900	130	2900	6390	900	130
295/80R22.5	18PR	152/149	M	1058	17.5	308	9.0	3550	7830	900	130	3250	7160	900	130

- Special tread formula to improve tyre cutting and puncture resistance.
- Three continuous and transverse shallow grooves design to provide excellent drainage and grip performance.
- The reinforced bead structure and tear resistant rubber formula to improve tyre overloading.
- The special tread groove structure design to reduce stone stuck, effectively protect the tread base, improve the puncture resistance in bottom groove and prolong the service life.

WS237 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	20PR*	156/153	K	1124	17	314	8.5	4000	8820	900	130	3650	8050	900	130

- The reinforced bead structure and tear resistant rubber formula to improve tyre overloading.
- Low heat compound improve durability at high speed and reduce crown failure rate.
- High saturation of pattern design increase the tread arc width, provides longer service life.
- Full-depth grooves and high-abrasive carbon black used on tyre tread provide long serving life, extend changing period and reduce operating cost.

WS239A All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1093	18	295	9.00	3550	7830	930	135	3250	7160	930	135

- Specific tread compound increases wear resistance.
- Longitudinal curved groove meets steering needs; open shoulder design provides better traction.
- Open shoulder construction improves tyre heat dissipation.

WS401 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
9.00R20	16PR	144/142	K	1021	16.5	252	7.0	2800	6175	900	130	2650	5840	900	130
10.00R20	18PR	149/146	J	1055	16.5	277	7.5	3250	7160	930	135	3000	6610	930	135
11.00R20	18PR	152/149	K	1090	17.5	292	8.0	3550	7830	930	135	3250	7160	930	135
12.00R20	18PR	154/151	K	1130	17.5	296	8.5	3750	8270	830	120	3450	7610	830	120

- Specific tread compound increases wear resistance.
- Longitudinal curved groove meets steering needs; open shoulder design provides better traction.
- Open shoulder construction improves tyre heat dissipation.

WS403 All Position

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
①	7.00R16LT	14PR	118/114	L	775	12	200	5.50F	1320	2910	770	112	1180	2600	770	112
①	7.50R16LT	14PR	122/118	L	811	13	211	6.00G	1500	3305	770	112	1320	2910	770	112
①	8.25R16LT	16PR	128/124	J	867	15	232	6.50H	1800	3970	770	112	1600	3525	770	112
①	8.25R20	14PR	136/134	K	975	15	235	6.5	2240	4940	830	120	2120	4675	830	120
②	315/80R22.5	20PR	157/154	L	1085	15	315	9.00	4125	9090	900	130	3750	8270	900	130

- The design of wide driving surface and stone removal design can effectively prevent the damage of stones tothe tyre ditch bottom.
- Three layers of nylon reinforcement at the bead toe and crown reinforcement design improve the loading capacity.
- New sidewall appearance design, highlighting the road conditions and vehicles of the product, which facilitates the actual use of users.
- Open shoulder design improves strong traction and shoulder heat dissipation performance, which gives long service life.

WS405 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.50R16LT	16PR	125/121	L	809	14.5	211	6.00G	1650	3460	870	126	1450	3195	870	126
8.25R16LT	18PR	132/128	L	866	15	232	6.50H	2000	4410	870	126	1800	3970	870	126
12R22.5	18PR	152/149	K	1082	17.5	297	9.00	3550	7830	930	135	3250	7160	930	135

- The design of wide driving surface and stone removadesign can effectively prevent the damage of stones tothe tyre ditch bottom.
- Three layers of nylon reinforcement at the bead toe andcrown reinforcement design improve the loading capacity.
- New sidewall appearance design, highlighting the roadconditions and vehicles of the product, which facilitatesthe actual use of users.
- Open shoulder design improves strong traction andshoulder heat dissipation performance, which gives longservice life.

WS405N All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
8.25R16LT	16PR	128/124	L	866	15	232	6.50H	1800	3970	770	112	1600	3525	770	112

- The "Z" shaped groove provides excellent stone removal performance.
- The longitudinal grooves facilitate the tyres at high speeds, and the lateral opening of the shoulders provides better drive and grip.
- Unique tread formula, excellent abrasion resistance.
- The small groove on the shoulder improves the heat dissipation performance of the tyre.

RR99 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12R22.5	18PR	152/149	L	1086	17	300	9.00	3550	7830	930	135	3250	7160	930	135

- Adaptable block pattern provides strong traction.
- High-abrasive tread compound improves tyre service life.
- High-strength carcass promotes tyre load-carrying capacity.

WD406 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
8.25R16LT	16PR	128/124	J	867	15	232	6.50H	1800	3970	770	112	1600	3525	770	112
8.25R20	14PR	136/134	J	975	15	235	6.5	2240	4940	830	120	2120	4675	830	120
10.00R20	18PR	149/146	J	1055	17.5	275	7.5	3250	7160	930	135	3000	6610	930	135
M+S 11R22.5	16PR	148/145	M	1057	21	276	8.25	3150	6940	850	123	2900	6395	850	123
12R22.5	18PR	152/149	K	1093	18.5	300	9.00	3550	7830	930	135	3250	7160	930	135

- Special block pattern and open shoulder for improved traction and handling in wet conditions.
- Special tread compound and stone-removal construction resists cut and puncture.
- Optimized tread design promotes even pressure; open shoulder design beneficial to heat dissipating and wear resistance.
- High-strength carcass effectively cushions against external shock and enhances load-carrying capacity.
- Excellent traction.
- Outstanding abrasion-resistance.
- Superior load-carrying capacity.

WD408 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
6.50R16LT	12PR*	110/105	K	750	14	180	5.50F	1060	2337	670	97	925	2039	670	97
7.00R16LT	14PR	118/114	K	775	14	200	5.50F	1320	2910	770	110	1180	2600	770	110
7.50R16LT	14PR	122/118	J	811	14	210	6.00G	1500	3305	770	112	1320	2910	770	112
8.25R16LT	16PR	128/124	J	871	17	232	6.50H	1800	3970	770	112	1600	3525	770	112

- Cross groove design helps to clear water and mud away and offers excellent traction with outstanding handling characteristics, suitable for all complex road conditions.
- Special tread compound and stone-removal construction promotes resistance against cuts and punctures.
- Open shoulder and radiating grooves improve heat radiating.
- Special belt package construction enhances rigidity in tread and shoulder; superior bead design effectively reduces carcass deformation and comprehensively enhances load-carrying capacity.
- Reinforced carcass and bead improve the load-carrying capacity.
- Excellent traction.
- Outstanding resistance to cuts and punctures.
- Great heat-radiating performance.
- Superior load-carrying capacity.

WD407 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
10.00R20	18PR*	149/146	J	1062	19	278	7.5	3250	7160	930	135	3000	6610	930	135
11.00R20	18PR*	152/149	J	1092	19	292	8.0	3550	7830	930	135	3250	7160	930	135
12.00R20	20PR*	156/153	J	1130	19	310	8.5	3750	8270	830	120	3450	7610	830	120

- Adaptable block pattern provides strong traction on different roads.
- Full-depth siping with special compound provides excellent performance throughout the life of the tread.
- Dedicated formula system against gnawing and puncture.
- High-strength carcass promotes tyre load-carrying capacity.

WD409 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
9.00R20	16PR	144/142	L	1031	20.5	261	7.0	2800	6175	900	130	2650	5840	900	130

- Wide transverse pattern provides strong traction.
- Deep tread design combined with wear-proof formula extends service life.
- Rubber formula combined anti-friction and low heat offers longer mileage.
- High-strength carcass improves load-carrying capacity.

WD418 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
13R22.5	18PR*	154/151	K	1123	20	321	9.75	3750	8270	850	123	3450	7610	850	123
12.00R24	20PR	160/157	K	1237	20.5	320	8.5	4500	9920	900	130	4125	9090	900	130

- Open shoulder and widened transverse grooves provide greater traction.
- Full-depth siping and rubber formula combining anti-friction and low heat offer longer mileage.
- Stone-removal structure increases resistance against puncture.
- Special belt package construction enhances rigidity in tread and shoulder; superior bead design effectively reduces carcass deformation under heavy load and comprehensively enhances load-carrying capacity.
- High-strength carcass promotes tyre load-carrying capacity.

WD419 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	18PR*	154/151	J	1130	19	310	8.5	3750	8270	830	120	3450	7610	830	120

- Reinforced carcass provides excellent load resistance.
- Super strong tyre bead design to improve the tyre's load-bearing capacity.
- Deepen the pattern design to improve the service life of the tyre.
- Medium and short distance special tread formula, with excellent wear resistance.
- Adopting a new crown structure, combined with the bottom stone block and the shoulder heat dissipation groove, it enhances the anti-piercing ability and reduces crown failures.

WD468 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	20PR*	156/153	J	1125	18.5	310	8.5	3750	8270	830	120	3450	7610	830	120

WD477H Drive Axle

- New belt package construction and enhanced bead structure for improving load capacity and safety performance.
- Stone-removal structure and new tread compound protect carcass, reduce failure rate and prolong service life.
- Mixed pattern design better adapts to severe off-highway, enhances driving force, traction and handling performance.
- Finite element optimization tyre crown design enables a long using life and promotes operation efficiency.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	20PR*	156/153	J	1128	19.5	313	8.5	4000	8820	900	130	3650	8050	900	130

WD510 Drive Axle

- Optimized the layout of contour and pattern blocks improve the tyre grounding pressure.
- Widen tread arc width and high saturation pattern design improve tyre grounding area and tyre wear resistance.
- Wide transverse pattern and grooves design, strengthened connecting ribs in tyre shoulder provide strong traction and grip, decrease the failure of cracking.
- New-designed stone-removal construction promotes puncture-resistant performance.
- New designed tread compound especially for on/off road improves resistance against burst and crack.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
8.25R20	16PR	139/137	J	974	16.5	235	6.5	2430	5355	930	135	2300	5070	930	135

WD605 Drive Axle

- Widen driving surface, high saturation pattern design, improve tyre grounding area and tyre wear resistance.
- Wider and deeper transverse pattern provides better traction and grip.
- Reinforced rib design in pattern blocks reduces the distortion and deformation of pattern blocks, and reduces the occurrence of irregular wear and groove crack.
- The belt layer is reinforced with new super strong steel wire and bead nylon structure, together with high-strength compound, increase the strength of crown and mounting area, reduce the deformation of shoulder and bead under overloading.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
9.00R20	16PR	144/142	J	1024	18.5	256	7.0	2800	6175	900	130	2650	5840	900	130
10.00R20	18PR*	149/146	J	1058	19	278	7.5	3250	7160	930	135	3000	6610	930	135

WD615 Drive Axle

- Widen driving surface, high saturation pattern design, improve tyre grounding area and tyre wear resistance.
- Wider and deeper transverse pattern provides better traction and grip.
- Reinforced rib design in pattern blocks reduces the distortion and deformation of pattern blocks, and reduces the occurrence of irregular wear and groove crack.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11.00R20	18PR*	152/149	J	1092	19.5	292	8.0	3550	7830	930	135	3250	7160	930	135
12.00R20	20PR*	156/153	J	1122	19.5	314	8.5	4000	8820	900	130	3650	8050	900	130
12R22.5	18PR	152/149	J	1087	20.5	299	9.0	3550	7830	930	135	3250	7160	930	135

OFF ROAD

FOOT+ & LIFTING JACK

WD506

WD506 IS SUITABLE FOR OFF ROAD TRUCKS DRIVE POSITION.

160%

160% heavy-duty design, load capacity is 60% higher than the normal design.

Special tear-resistant tread formula, for off-road use, longer tyre life.

Reinforcing ribs in the middle of the crown are protected to prevent the crown from being injured by sharp objects.

+16%

The tread depth is 16%+ deeper than normal design and wear resistance is increased, thus the tyre life is improved by 16%+.

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WD506	12.00R20	20PR*	156/153	G	1137	23	314	8.5
	11R22.5	16PR	148/145	G	1065	23	276	8.25

- A drive-position truck tyre built for severe service applications.
- This open shoulder, high traction commercial truck tyre has deep biting edges for superior gripping power in rain, mud and snow.
- Aggressive tread offers excellent traction for severe off-highway use.
- Chip, cut and abrasion resistant compounds promote increase mileage and long service life.

WD506 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	20PR*	156/153	G	1137	23	314	8.5	4000	8820	900	130	3650	8050	900	130
11R22.5	16PR	148/145	G	1065	23	276	8.25	3150	6940	850	123	2900	6390	850	123

- Strengthened design in crown and shoulder, thickened design in bead and sidewall, reinforced design for carcass improve the overall strength of the tyre.
- Mixed block design, widen design for driving surface give stronger adaptability.
- Better grip and driving performance.
- Better heat dissipation performance.
- Increased strength performance in tyre bead.

WD595 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
8.25R16LT	18PR	132/128	J	870	17	232	6.50H	2000	4410	870	126	1800	3970	870	126

- Better loading capacity.
- Heat dissipation holes on tread and shoulder enhance the heat dissipation performance and improve the durability of products.
- Stone-removal design prevents the failure from puncture.
- The new contour and large block design make the tyre more straight and upright, witth a better appearance.
- Professional formula for mining improves puncture resistance and gives longer service life.

WD596 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.50R16LT	14PR	122/118	J	822	21	211	6.00G	1500	3305	770	112	1320	2910	770	112
8.25R16LT	18PR	132/128	F	878	21	232	6.50H	2000	4410	870	126	1800	3970	870	126
12R22.5	18PR	152/149	F	1095	24.5	299	9.00	3550	7830	930	135	3250	7160	930	135

- Mine patterns designed specifically for non-paved roads,and ultra deep patterns provide longer single driving mileage.
- Special mine tread formula, with super gnawing and stab resistance.
- Special carcass and crown formula design is adopted to reduce heat and provide longer service life.
- Wider transverse pattern and strengthened rib design provides better grip and climbing ability.
- Reinforced carcass structure and tyre bead provide better loading capacity.

WD979 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	20PR*	156/153	D	1134	25	310	8.5	4000	8820	900	130	3650	8050	900	130

- Reinforced carcass design improves tyre load-carrying capacity.
- Unique bead design effectively improves bead resistance against burst and crack.
- Robust block pattern improves more toughness.
- Special tread compound promotes tyre resistance against gnaw and puncture.
- Enhanced side design protects sidewall from impact of external force and scratching.
- Full-depth transverse tread provides strong traction and grip and effectively extends service life.
- Superior load-carrying capacity.
- Outstanding resistance against gnaw and puncture.
- Longer service life.

WD989 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
10.00R20	18PR*	149/146	D	1067	22	276	7.5	3250	7160	930	135	3000	6610	930	135
11.00R20	18PR*	152/149	D	1098	23	292	8.0	3550	7830	930	135	3250	7160	930	135
12.00R20	20PR*	156/153	D	1137	23	310	8.5	4000	8820	900	130	3650	8050	900	130

- Reinforced carcass design improves tyre load-carrying capacity.
- Unique bead design effectively improves bead resistance against burst and crack.
- Robust block pattern improves more toughness.
- Special tread compound promotes tyre resistance against gnaw and puncture.
- Enhanced side design protects sidewall from impact of external force and scratching.
- Full-depth transverse tread provides strong traction and grip and effectively extends service life.
- Superior load-carrying capacity.
- Outstanding resistance against gnaw and puncture.
- Longer service life.

WD989H Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	20PR*	156/153	D	1137	23	310	8.5	4000	8820	900	130	3650	8050	900	130

- Reinforced carcass, tyre crown and bead design.
- High stength like OTR.
- New designed pattern compound against burst and crack.
- Efficient shoulder heat dissipation design.
- Special stone-removal deisgn.
- Strengthened bead design.

WD993 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	22PR*	156/153	F	1131	24.5	314	8.5	4000	8820	930	135	3650	8050	930	135

- The new anti-puncture tread formula improves the adaptability to harsh road surfaces and prolongs the service life.
- The thickened window format design on the shoulder enhances heat dissipation and anti-collision, prolonging the service life of the tyre.
- A new type of high-strength skeleton material, 3-layer nylon reinforced crown reinforcement design at the rim, improves the load-carrying capacity of the tyre and reduces transportation costs.
- Powerful stone removal system Stepped ditch bottom Strong anti-stone chain No rocks in the ditch, you protect the ditch bottom from being pierced.
- The ultra-wide driving surface has a better effect on harsh road surfaces and a higher carrying capacity.
- The material layout of the variable diameter drum is more substantial, and the strength of the spout is improved to make the tyre stand upright better.

WD998 Drive Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
12.00R20	22PR*	156/153	B	1136	26.5	314	8.5	4000	8820	930	135	3650	8050	930	135

「URBAN」

BUS TYRE KING

WS306

WS306 IS SUITABLE FOR URBAN PUBLIC TRANSPORTATION ALL POSITION.

Reinforced bead design improves the adaptability for vehicles in areas with many turns.

The crown's rigidity-enhanced design improves handling stability and tyre wear resistance, and improves safety.

+4.2%

The tread width is 4.2%+ wider than normal design, improving mileage by 3.1%+.

Optimized pattern and thin grooves reduce noise and offer better grip and wet performance.

The exclusive thickened sidewall design of bus tyres reduces the chance of the sidewall being scratched and damaged by roadside steps and increases the tyre life.

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WS306	11R22.5	16PR	148/145	J	1054	19	280	8.25
	275/70R22.5	18PR	152/148	J	972	19	283	8.25
	295/80R22.5	18PR	152/149	L	1056	19	304	9.00

- Wider tread arc width provides longer driving mileage.
- Optimized crown design improves grounding uniformity and reduce irregular wear.
- Two-layer tread design for better wear resistance in the top layer and slower heat generation in the bottom layer comprehensively increases mileage.
- Stone removal design protects the carcass.

WS206 All Position

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S	215/75R17.5	16PR	127/124	M	772	13	216	6.00	1750	3860	830	120	1600	3525	830	120
M+S	235/75R17.5	16PR*	132/130	M	802	13	232	6.75	2000	4410	830	120	1900	4190	830	120
M+S	245/70R19.5	16PR	136/134	M	844	14.5	246	7.50	2240	4940	830	120	2120	4675	830	120

- The special design of three continuous main grooves and four auxiliary tiny grooves provides excellent water-removal and traction.
- Special tread compound and ratio of groove and block design render outstanding wear resistance.
- Low-heat formula reduces tyre heat generation.
- Center rib stone platform ejectors preserve casing integrity.

WS300 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
9R22.5	14PR	136/134	L	974	13.5	230	6.75	2240	4940	830	120	2120	4675	830	120

- Stable shoulder design resists irregular wear.
- Special tread compound and ratio of groove and block design renders outstanding wear resistance.
- Low heat formula reduces heat generation.

WS301 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
8R22.5	14PR	130/128	L	936	12.5	210	6.00	1900	4190	830	120	1800	3970	830	120

- Tread with main and auxiliary grooves provides excellent water-removal and traction.
- Special tread compound and ratio of groove and block design renders outstanding wear resistance.
- Specific low heat formula reduces tyre heat generation at high speed.

WS303 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
10R22.5	14PR	141/139	M	1022	15	254	7.50	2575	5675	790	115	2430	5355	790	115

WS306

All Position

- Special pattern design effectively reduces noise and provides strong traction and wet skid resistance.
- Thicken sidewall can effectively reduce the scratch and damage and also the pricking of sharp objects.
- Optimized compound improve the wear resistance and heat dissipating in mounting areas.
- Optimized design of belt layer enhances rigidity and improved handling stability.

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
	11R22.5	16PR	148/145	J	1054	19	280	8.25	3150	6940	850	123	2900	6390	850	123
M+S	275/70R22.5	18PR	152/148	J	972	19	283	8.25	3550	7820	930	135	3150	6930	930	135
M+S	295/80R22.5	18PR	152/149	L	1056	19	304	9.00	3550	7830	900	130	3250	7160	900	130

「URBAN」

WS309A

All Position

- The upper layer enhances wear resistance and lower layer provides heat dissipating, which makes the produces suitable for mountainous areas.
- Multiple transverse tiny grooves are designed to provide excellent grip and handling performance for wet and slippery roads in mountainous areas.
- High saturation patterns and optimized crown design improve wear resistance and reduce irregular wear.
- The three longitudinal pattern with stone-removal structure reduces stone inclusion and protect the carcass.

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
7.00R16LT	14PR	118/114	L	775	14	200	5.50F	1320	2910	770	112	1180	2600	770	112
9R22.5	14PR	136/134	K	974	14.5	230	6.75	2240	4940	830	120	2120	4675	830	120
10R22.5	16PR	144/142	L	1023	16	254	7.50	2800	6175	900	130	2650	5840	900	130

「COACH」

FOR COACH&LONG HAUL, A SMOOTH AND SAFE CHOICE

WS102

WS102 IS SUITABLE FOR COACH ALL POSITION.

Pattern	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM
WS102	11R22.5	16PR	148/145	M	1053	16.5	282	8.25
	12R22.5	18PR	152/149	M	1080	16.5	304	9.00
	295/60R22.5	18PR	150147	L	921	16.5	286	9.00
	295/80R22.5	18PR	152/149	M	1055	16.5	304	9.00
	315/70R22.5	20PR*	156/150	L	1017	14.5	313	9.00
	315/80R22.5	20PR	157/154	L	1085	16.5	318	9.00

「COACH」

- Four grooves design promotes steering and draining under high speed; Transverse steel sheets provide great traction and superior anti-skid resistance.
- High-abrasive tread compound promotes longer mileage and widened shoulder reduces tyre abrasion.
- Wide belt package better stabilizes the tread and builds up resistance against accidental puncture.

WS102 Steer Axle

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
	11R22.5	16PR	148/145	M	1053	16.5	282	8.25	3150	6940	850	123	2900	6395	850	123
	12R22.5	18PR	152/149	M	1080	16.5	304	9.00	3550	7830	930	135	3250	7160	930	135
M+S	295/60R22.5	18PR	150/147	L	921	16.5	286	9.00	3350	7390	900	130	3075	6780	900	130
M+S	295/80R22.5	18PR	152/149	M	1055	16.5	304	9.00	3550	7830	900	130	3250	7160	900	130
M+S	315/70R22.5	20PR*	156/150	L	1017	14.5	313	9.00	4000	8820	900	130	3350	7390	900	130
M+S	315/80R22.5	20PR	157/154	L	1085	16.5	318	9.00	4125	9090	900	130	3750	8270	900	130

「COACH」

- Special tread compound with ratio of groove and block design render outstanding wear resistance.
- Circumferential tiny and deep grooves on the shoulder reduce irregular wear at high speed.
- Special shoulder design and low heat formula improves tyre heat dissipation.

WS201 Steer Axle

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
11R22.5	16PR	148/145	M	1051	15	282	8.25	3150	6940	850	123	2900	6395	850	123

「COACH」

- Four grooves and tiny transverse grooves at the edge of tread provide excellent water-removal and traction.
- Low heat compound is used for tread base, especially suitable for high speed driving.
- Innovative contour design enhances uniform wear and extends longer mileage.

WS229 All Position

Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
								Single				Dual			
								(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
295/80R22.5	18PR	152/149	M	1055	16.5	304	9.00	3550	7830	900	130	3250	7160	900	130

「WINTER」

「WINTER」

WSD1 Drive Axle

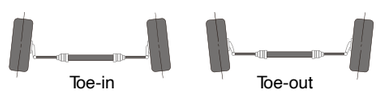
- With a special type of resin for enhancing torn-resistance of tread.
- With double-layer tread, of tyre, layer for abrasion-resistance of tyre. The double layer tread ensures abrasion-resistance and ex-tends the tyre life at late stage.
- Horizontal wave shape grooves for maintaining grip and safe driving on the ice road.
- Reinforced belts designed to increase handling stability and driv- ing safety of tyre.
- Premium structure could evenly scatter the pressure for road contact of tyre, effectively avoid irregular abrasion and damage. Deepen tread depth designed for more mileage.

	Size	PR	L.I.	S.R.	O.D. (mm)	T.D. (mm)	S.W. (mm)	RIM	Max.Load Capacity & Inflation Pressure							
									Single				Dual			
									(kg)	(lbs)	(kPa)	(psi)	(kg)	(lbs)	(kPa)	(psi)
M+S	315/70R22.5	18PR	154/150	L	1029	20.5	313	9.0	3750	8270	900	130	3350	7390	900	130

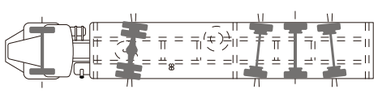
「TYRE CARE AND MAINTENANCE」

Tyre Installation

- Tyres must be installed by professionals and use special tools; radial tyres and tubeless tyres must be installed with a gatekeeping machine (which must be disassembled) to avoid damaging the tyres.
- Tyre components must be standard and matched. Intangible and non-standard steel components can easily cause tyre abnormality and tyre burst.
- When installing tyres with directional patterns, pay attention to the correct driving direction.
- During installation, there should be no debris, sand, gravel or water between the inner and outer tyres. You can only put some talcum powder on the surface of the inner tube, but do not apply talcum powder directly on the tyre.
- Radial tyres and bias tyres cannot be mixed on the same axis. It is best to use tyres of the same brand, same specification and same level; tyres with a slightly larger outer diameter are installed on the outside.



Every 1 mm of front heel leads to about 7% mileage loss.



Non-parallel axes will cause the gun to be quickly evacuated by the computer in one or more wheel positions.

For vehicles that have had a traffic accident, had a bent axle, or had the axle replaced or the axle fixings loose, the parallelism of the axle should be checked and corrected if necessary.

Incorrect installation method **Incorrect size/ specification of wheel vehicle** **Incorrect installation tool**

These will cause early damage to the tyres and greatly reduce the performance of the tyres.

Improper installation often results in the scrapping of new tyres.

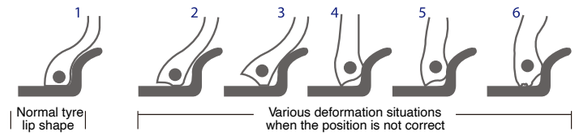
The following situations indicate incorrect tyre matching:

- Paired wheel suction pumps made by different brands are installed on the Monday axle
- Make pairs of wheels with different specifications or install them on the same shaft
- Making wheels with different patterns or installing them on the same shaft
- The difference in remaining pattern depth is >5mm, make a pair of wheels or install them on the same wheel
- The tyre pressure difference is >1kg. Make pairs of wheels and install them on the same axle.

The tyre pattern was deformed due to the incorrect position when it was installed on the snake net.

Choose a standard tyre, install it properly, and reshape it so that the tyre bead matches the wheel. Otherwise, the bead will be placed in an incorrect position, thus affecting the air tightness of the tubeless tyre and the wheel alignment.

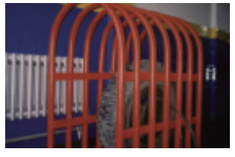
The flat energy error of the wheel steel combination has an impact on the controllability and stability.



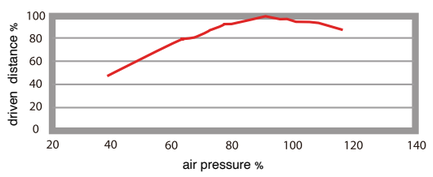
Tyre Air Refill

- Air pressure is the life of the tyre and the guarantee of driving safety. The inflation pressure of the tyre must comply with the air pressure specified by the national standards for different types and specifications of tyres.
- The tyre pressure must be checked when the tyre is cool and never adjusted when the tyre is hot. Please use a good air pressure gauge to measure the air pressure and calibrate it regularly.
- Excessive or insufficient air pressure will cause abnormal wear, cracks at the groove bottom, cord breakage, stripping of the fabric layer, tyre explosion and other damages.
- If you continue to drive at high speed, the air pressure should be increased by 5~10% from the standard air pressure (usually 5% for mounted tyres).
- After driving, the internal pressure of the tyre will increase due to the increase in temperature. At this time, the tyre cannot be deflated.
- Pay attention to the condition of the tyres while driving. Once a leak is discovered, stop and check in time (replace the spare tyre if necessary) to prevent tyre damage due to severe lack of air.

Do not leave the inflated tyre unattended.



When inflating, it is necessary to use a safety cage and a pressure regulating air compressor.



The important relationship between tyre pressure and driving

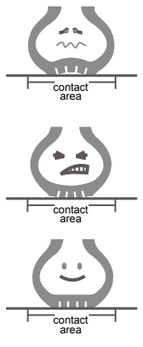
air pressure %	driven distance%	air pressure %	driven distance%
125	88	85	90
120	91	80	83
115	94	75	80
110	95	70	74
105	98	65	68
100	100	60	61
95	97	55	55
90	94	50	48

1. If the air pressure is 20% higher than the additional construction standard, the tyre image will be reduced by an average of 9%.

2. If the air pressure is at least 20% below the specified standard, tyre life will be reduced by an average of 17%.

3. If the tyre pressure is too high or too low (more than 50%), the tyre will be deemed to be scrapped and lose its use value.

Tyre pressure



When the air pressure is insufficient

It is easy to cause abnormal movement of both shoulders;
It is easy to cause early damage to the tread; it is easy to cause slipping;
The safety of the control and the comfort of the ride become worse;
Waste of fuel; Easy to cause curtain separation due to heating.

When the air pressure is too high

Abnormal wear at the center of the tread; Easy to explode when encountering obstacles;
Easy to cause jumping, affecting passenger comfort。

Specified air pressure

Protect the uniform contact between the tread and the ground and extend its life.

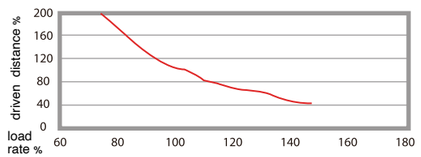
When driving at high temperatures, the tyre pressure will increase and the air pressure will increase, so the pressure must be correctly controlled and checked.

TYRE CARE AND MAINTENANCE

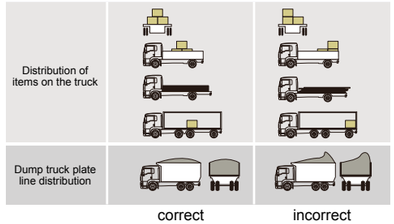
Reasonable loading

- There is a corresponding relationship between tyre load and air pressure. Excessive load is similar to low air pressure and will cause tyre damage.
- Frequent use under overload conditions will reduce tyre life by 20%-50%.
- Wrong loading method not only affects driving safety, but also causes uneven tyre load, causing excessive load on individual tyres.

  Caution will shorten the potential life of your tyres and prevent them from being retreaded and reused.



Tyre loaded cargo pressure distribution chart



The relationship between tyre load and mileage

tyre load rate %	driven distance %	tyre load rate %	driven distance %
70	200	120	65
80	160	130	60
90	120	140	45
100	100	150	41
110	82		

Tyres for safe driving

- New tyres also have a wear-out period when used, usually around 200 kilometers.
- After driving at high speed for a period of time (usually 1 to 2 hours), you should take a break and check the tyres.
- Avoid sudden starts, sudden braking, and sharp turns.
- Avoid winged snakes and speeding.
- Slow down when driving on poor roads to avoid strong impact on the tyres.
- Repaired tyres are prohibited from being used on front wheels.
- Tyres worn to the wear mark must be replaced.
- If a tyre fails, it should be replaced immediately.

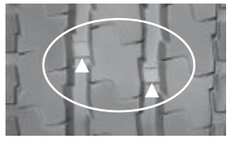
Tyre wear mark

When the tyre pattern is exhausted, that is, when the tyre pattern is worn to the groove remaining 1.6MM or less, the tyre slip increases significantly, and the braking distance increases sharply, which not only makes the vehicle operate

Stability deteriorates, and this often leads to traffic accidents. For this reason, China's national standard stipulates that the wear limit of radial tyre pattern for trucks and buses is 1.6MM, and tyre manufacturers

Set the wear mark on the tyre according to the standard, and when the tyre pattern wears to the above limit, the driver should replace the tyre in time.

When the wear reaches the wear mark, it means that the tyre
The controllability and safety can no longer be guaranteed.
It must be replaced in time.



Tyre crown power consumption symbol
There are 4 or more tread groove cancers, localized
Sign block 2.0mm south.

There is a "TWI" pattern on the tyre shoulder to represent Indicates the design position of the wear mark.

Tyre rotation and maintenance

- Replace the tyres on the vehicle promptly and appropriately to maintain uniform tyre wear.

  Approximately 20% of the mileage loss can be avoided by repositioning or reversing: tyres with slightly larger outer diameters may be installed on the outer wheels; radial total weight tyres are generally.

  The tyres should be rotated after driving 12,000 to 15,000 kilometers.

  Bias tyres should be rotated after driving 8,000 to 10,000 kilometers.

- When replacing tyres, a comprehensive inspection of the outer tyre, inner tube, and blood belts should be carried out, and any injuries to the tyres should be repaired promptly.

- There are two tyre rotation methods: cross rotation and cyclic rotation.

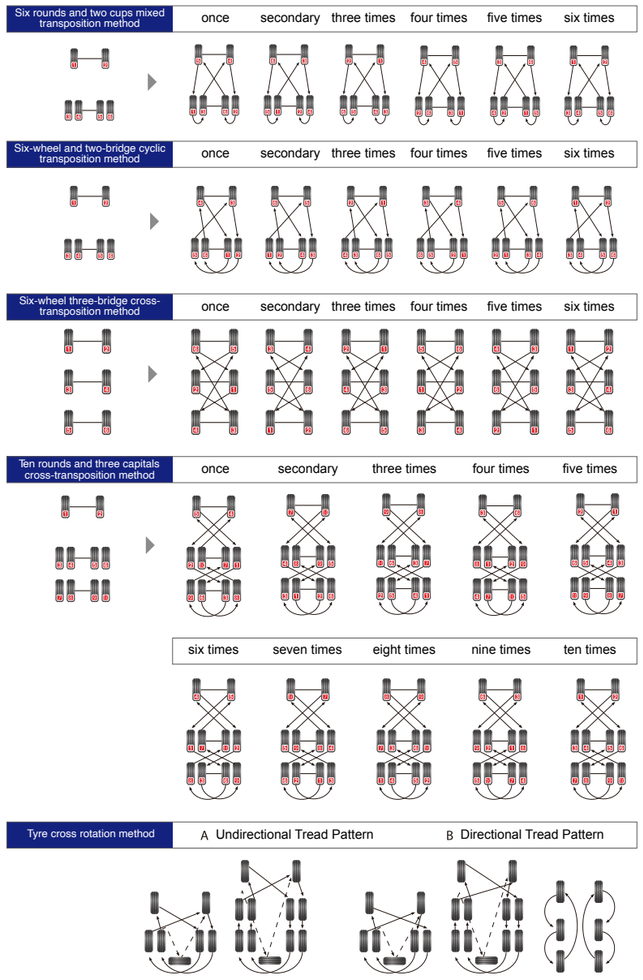
  The cross rotation method is suitable for cars that often drive on roads with large arches, while the cyclic rotation method is suitable for cars that often drive on flatter roads. on a moving car.

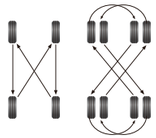
  However, once selected, the position should always be changed according to the selected method. The rotation direction of the radial tyre will always remain unchanged.

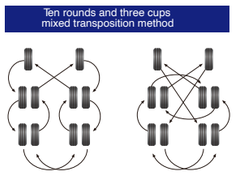
  If it rotates in the opposite direction, the steel wire tyre will become fixed.

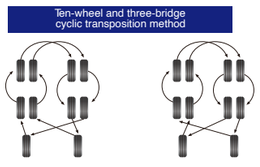
  Reverse deformation produces vibration, resulting in poor ride comfort of the car.

- Tyres also undergo first- and second-level maintenance in conjunction with the first- and second-level maintenance of the vehicle.









From the outside to the inside, from the inside to the outside

From the inside to the outside, from the outside to the inside