

PRIMEWELL



**PASSENGER CAR AND
LIGHT TRUCK TIRE
PRODUCT GUIDE 2022-2023**

PRIMEWELL

Whether you are looking for performance car, passenger vehicle, or commercial van tires, we've got the product to meet your needs



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A Singapore-based Global Tire Company

Giti Tire has been in the tire business for more than 65 years and has become one of the world's largest tire manufacturers, serving customers in more than 130 countries.



5 Research & Development (R&D) and Testing Centers
4 R&D in Germany, USA, China, Indonesia, and 1 testing center in UK



6 Manufacturing Plants
4 in China, 1 in Indonesia
1 Newly opened in the US



10 Offices
Singapore, Indonesia, Malaysia, China, U.S., Canada, U.K., Germany, France and Dubai



More than
30,000 Employees
Worldwide



More than
70,000 Points of Sale
In more than 130 countries





Why Choose Primewell Tires?

Primewell brand tires focus primarily on quality; providing comfortable, durable, and adaptable tires for drivers of all backgrounds.

A Focus on Production and Quality Management

Primewell's parent company (Giti Tire) sets the highest standard of quality procedures. A highly stringent quality control system and concern for the safety and quality demands in regions across the globe separates the brand from the competition.

Top Class R&D Facilities & Personnel

A team of over 600 experienced R&D engineers in five cutting-edge facilities around the world and top quality equipment ensure the upmost quality of tire production and delivery.

Awards and Recognition From the Best

The company has earned extensive recognition from highly credited organizations around the world, as well as some of the automotive industry's largest names. This includes top supplier awards from General Motors, Nissan, Walmart, and many others.

Respect Around the World

Primewell tire products are trusted by all types of individuals, from the everyday driver to top motorsports performers. Through top performance and an extensive dealer network, the brand has a reputation for quality, performance, and safety.

A Greater Mission

Giti Tire has an environmental and humanitarian drive that ties into all its actions. The company focuses on multiple areas to properly educate people about driving and tire care, reducing energy consumption and pollution, as well as providing financial resources to help make the world a better place.



A Strong Presence All Around the World

As a Singapore-based global tire company, one of Giti Tire's strengths is its international reach encompassing distribution, facilities, OEM fitments, and brand-driven motorsports.

This begins from Giti's 10 offices, 6 manufacturing plants in three countries, and tire sales in more than 130 countries around the world, and continues with Giti's highly diverse team-members, partners, and activities globally.

Just having a number of global offices is not enough. True international-connectivity is to have all aspects of the company working together, to best execute strategy, production, and sales on both global and local levels.



International Accreditations



Giti Tire (UK) Ltd

European Tire Testing Center in Mira, UK

R&D Center in Hanover, Germany

Giti Tire Deutschland GmbH



R&D Center in Anhui, China

Giti Tire (China) Investment Co. Ltd.



Giti Tire Pte Ltd., Singapore



Giti Tire (M.E.A.) FZCO.



R&D Center in Tangerang, Indonesia

PT Gajah Tunggal Tbk., Indonesia



Giti Tire (France) SAS

Giti Tire (Malaysia) Sdn. Bhd

3 Production Countries: 1 Truly Global Tire Company

When you put on a set of Primewell Tires on your vehicle, you can be confident that your tires have been put through one of the most rigorous and comprehensive quality control systems in the industry.



Factories in Indonesia, China, and the a full new tire production facility in South Carolina of the United States

All plants have obtained ISO/TS16949:2002 accreditation (the highest standard of quality control) and ISO14001 Environmental Management System Accreditation

Six Giti facilities have an annual capacity of more than 110 million tires

Very strict quality controls and inspections at each stage of the production process to ensure that each component meets relevant specifications and standards



One of Giti's six manufacturing bases



A Giti Tire production line

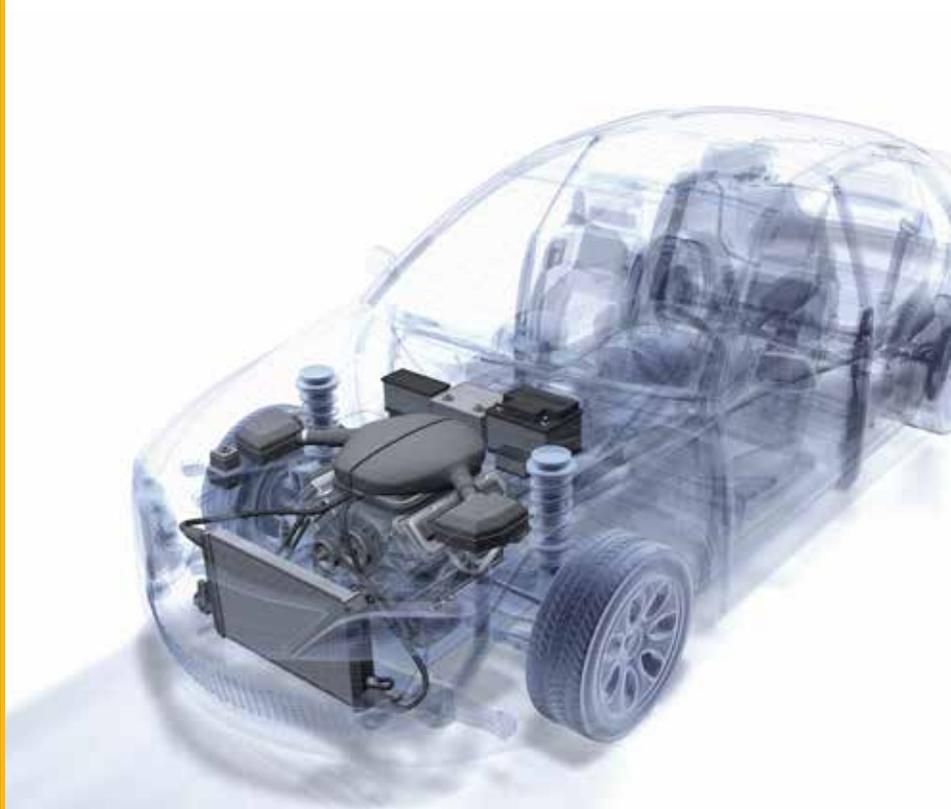
Partnerships with Many Top Auto Manufacturers

Giti Tire has continued to strengthen its ambitions and relationships integral to developing its original equipment manufacturer (OEM) business. In conjunction with the company's strong developments in core areas such as technology, marketing, and quality management, Giti Tire has been awarded many contracts by existing and new OEM partners. This not only provides a steady demand from automotive producers themselves, but also increases demand and brand recognition in replacement markets.

In order to work more closely with our strategic partners, Giti Tire has employed dedicated OEM specialists in key markets around the world, and is continuously adding new partnerships and fittings.

Giti Tire continues to strengthen its organization and invest in new technology to meet the rising demands of OEM partners. Along with new product development and replacement sales, this will enable Giti Tire to continue to grow market share in coming years.

Supplying more than 260 models worldwide



PS10

"The PS10 has been specially developed for high-performance premium vehicles and offers outstanding traction and instantly responds to steering inputs. It provides maximum control in wet and dry conditions."



Rim Range : **17 18 19 20 21**

Aspect Ratio : **40 45 50 55**

FEATURES

Innovative new profile

New block stiffness

New top tread compound

Special design wide grooves and sipes

BENEFITS

- ▶ Firm high speed handling and Ultimate grip
- ▶ Optimal cornering and Handling
- ▶ Provides long durability and consistent performance throughout the tire life
- ▶ Short braking distances on wet and dry roads, reduced aquaplaning



Sports



Water Evacuation



Handling



Asymmetrical

PS10

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth mm	 Overall Diameter mm	Side Wall
21	45	275/45R21	110	W	320 A A	7.7	781	BSW
20	55	235/55R20	102	V	320 A A	8.0	766	BSW
	45	245/45R20	103	W	320 A A	7.7	728	BSW
	45	255/45R20	101	W	320 A A	7.7	738	BSW
	50	255/50R20	109	V	320 A A	8.0	764	BSW
	55	255/55R20	110	W	320 A A	7.7	788	BSW
19	50	235/50R19	99	V	320 A A	8.0	719	BSW
	55	235/55R19	101	W	320 A A	8.0	741	BSW
	55	245/55R19	103	H	320 A A	8.0	753	BSW
	50	255/50R19	107	W	320 A A	8.0	739	BSW
	55	255/55R19	111	W	320 A A	8.0	763	BSW
18	45	225/45R18	95	W	320 A A	7.7	659	BSW
	45	235/45R18	94	W	320 A A	7.7	669	BSW
	40	245/40R18	97	Y	320 A A	7.7	653	BSW
	45	245/45R18	100	W	320 A A	7.7	677	BSW
	55	255/55R18	109	W	320 A A	7.7	737	BSW
17	45	225/45R17	91	W	320 A A	7.7	634	BSW
	50	225/50R17	98	W	320 A A	7.7	658	BSW
	45	235/45R17	94	W	320 A A	7.7	644	BSW
	55	235/55R17	99	Y	320 A A	7.7	690	BSW

BSW Black Side Wall

PS20

A safe and comfortable tire that is specifically designed for A and B class sedans, having good performance in braking and silence.

Rim Range : **16 17**

Aspect Ratio : **45 50 55 60 65**

FEATURES

Random arrangement of multi-segments variable pitch

Soft and smooth tread rubber with the addition of nanoscale rubber-reinforcing carbon black

Tread compound formula containing silicone

Double-layer high-strength casing structure

BENEFITS

- ▶ Lower noise produced by airflow resonance in tread grooves
- ▶ Increased wear resistance of tread compound
- ▶ Enhanced grip on wet ground
- ▶ Increased casing strength for higher impact resistance; less bulging for greater safety



Comfort



Standard



Symmetrical



Summer

PS20

Inch	Series	Size	Load Index	Speed Rating	UTQG	Tread Depth mm	Overall Diameter mm	Side Wall
17	50	205/50R17	93	W	420 A A	8.0	638	BSW
	45	215/45R17	91	V	420 A A	8.0	626	BSW
	50	215/50R17	91	V	420 A A	8.0	648	BSW
	55	215/55R17	94	V	420 A A	8.0	668	BSW
	50	225/50R17	94	V	420 A A	8.0	658	BSW
	55	225/55R17	97	V	420 A A	8.0	680	BSW
	50	235/50R17	96	V	420 A A	8.0	668	BSW
16	55	195/55R16	91	H	420 A A	8.0	620	BSW
	60	195/60R16	89	H	420 A A	8.0	640	BSW
	55	205/55R16	91	V	420 A A	8.0	632	BSW
	60	205/60R16	92	V	420 A A	8.0	652	BSW
	65	205/65R16	95	V	420 A A	8.0	672	BSW
	55	215/55R16	93	V	420 A A	8.0	642	BSW
	60	215/60R16	95	V	420 A A	8.0	664	BSW
	55	225/55R16	95	W	420 A A	8.0	654	BSW
	60	225/60R16	98	V	420 A A	8.0	676	BSW

BSW Black Side Wall

PS21

A pattern specific for A and A0 class sedans, with water resistance and long mileage. Strong durability to match the demands of different climates and drivers.



Rim Range : **13 14 15**

Aspect Ratio : **55 60 65 70**

FEATURES

Soft and smooth tread rubber with the addition of nanoscale rubber-reinforcing carbon black

Excellent contour design

Microgrooves and optimized tread block design

Wavy-shaped sipes design

Increased number of fine water-absorbing grooves

Strong water absorbent with all-weather component formula

BENEFITS

- ▶ Increased wear resistance of tread compound
- ▶ Prevents irregular and abnormal wear
- ▶ Disrupted airflow for reduced noise resonance
- ▶ Faster water drainage
- ▶ Quick removal of water on the road for increased contact area
- ▶ Strengthen the wet grip ability



Touring



Standard



Symmetrical



All Season

PS21

Inch	Series	Size	Load Index	Speed Rating	UTQG	Tread Depth mm	Overall Diameter mm	Side Wall
15	60	185/60R15	84	H	500 B B	7.8	603	BSW
	65	185/65R15	88	H	500 B B	7.8	621	BSW
	55	195/55R15	85	H	500 B B	7.8	595	BSW
	60	195/60R15	88	V	500 B B	7.8	615	BSW
	65	195/65R15	91	H	500 B B	7.8	635	BSW
	65	205/65R15	94	H	500 B B	7.9	647	BSW
	70	205/70R15	100	H	500 B B	7.9	669	BSW
	65	215/65R15	100	H	500 B B	8.0	661	BSW
14	65	175/65R14	82	H	500 B B	7.8	584	BSW
	70	175/70R14	84	T	500 B B	7.8	602	BSW
	60	185/60R14	82	H	500 B B	7.8	578	BSW
	65	185/65R14	86	T	500 B B	7.8	596	BSW
	70	185/70R14	88	H	500 B B	7.8	616	BSW
	60	195/60R14	86	H	500 B B	7.8	590	BSW
13	65	155/65R13	73	T	500 B B	7.8	532	BSW
	70	165/70R13	79	T	500 B B	7.8	562	BSW

BSW Black Side Wall

PS880

INCREDIBLE HANDLING

Rim Range : 13 14 15 16

Aspect Ratio : 50 55 60 65

FEATURES

Four enlarged circumferential main grooves design

Continuous center rib design

Advanced silica tread compound

Wide shoulder with limited grooves and sipes design

BENEFITS

- ▶ Enhanced water drainage improves wet handling and minimizes hydroplaning
- ▶ Enhances straight driving performance and comfort
- ▶ Excellent grip in wet and dry conditions
- ▶ Improves cornering stability and provides a quieter and more comfortable ride



Comfort



Standard



Symmetrical



Summer

INCREDIBLE HANDLING

PS880

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth mm	 Overall Diameter mm	Side Wall
16	60	205/60R16	92	H	380 A A	8.0	652	BSW
	60	215/60R16	95	V	320 A A	8.1	664	BSW
15	65	185/65R15	88	H	380 A A	7.9	621	BSW
	50	195/50R15	82	V	320 A A	7.9	577	BSW
	55	195/55R15	85	V	320 A A	7.9	595	BSW
	60	195/60R15	88	H	380 A A	7.9	615	BSW
	60	205/60R15	91	V	320 A A	8.0	627	BSW
	60	215/60R15	95	V	320 A A	8.1	664	BSW
14	65	185/65R14	86	H	380 A A	7.9	596	BSW
13	65	165/65R13	77	T	380 A A	7.7	544	BSW
	60	175/60R13	77	H	380 A A	7.7	540	BSW

BSW Black Side Wall

PS870

EVERYDAY COMFORT



Rim Range : **13 14**

Aspect Ratio : **70**

FEATURES

Advanced silica compound

Continuous center rib design

Jointless overlay construction

Special shoulder grooves and sipes design

BENEFITS

- ▶ Improves braking and handling in wet and dry conditions
- ▶ Enhances straight driving performance and comfort
- ▶ Enhances high speed stability and endurance
- ▶ Delivers comfort for a quiet and secure ride



Comfort



Standard



Symmetrical



Summer

EVERYDAY COMFORT

PS870

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth mm	 Overall Diameter mm	Side Wall
14	70	195/70R14	91	T	460 A A	7.8	630	BSW
13	70	175/70R13	82	T	460 A A	7.6	576	WR
	70	185/70R13	86	T	460 A A	7.7	590	BSW

BSW Black Side Wall **WR** White Ribbon

PX50

A SUV tire that focuses on durability and silence to meet the daily use of SUV drivers.



Rim Range : **16 17 18 19**

Aspect Ratio : **50 55 60 65 70**

FEATURES

Random arrangement of multi-segments variable pitch

High-strength cap ply

3B stiffness contour balance technology

Double-layer steel belt and cap ply structure with high constraint

Double-layer high-strength casing structure

Closed tire shoulder design

BENEFITS

▶ Lower noise produced by airflow resonance in tread grooves

▶ Good vibration absorption

▶ Uniform force distribution on the tread

▶ Strong tire crown for stable driving

▶ Increased casing strength for higher impact resistance; less bulging for greater safety

▶ Restrained acoustic diffusion



SUV



Comfort



Handling



Symmetrical

PX50

Inch	Series	Size	Load Index	Speed Rating	UTQG	Tread Depth mm	Overall Diameter mm	Side Wall
19	55	225/55R19	99	H	420 A A	8.2	731	BSW
18	55	215/55R18	95	V	420 A A	8.2	693	BSW
	55	225/55R18	98	H	420 A A	8.2	705	BSW
	60	225/60R18	100	H	420 A A	8.2	727	BSW
	50	235/50R18	97	V	420 A A	8.2	693	BSW
	55	235/55R18	100	V	420 A A	8.2	715	BSW
	60	235/60R18	103	H	420 A A	8.2	739	BSW
17	60	215/60R17	96	H	420 A A	8.2	690	BSW
	60	225/60R17	99	H	420 A A	8.2	702	BSW
	65	225/65R17	102	H	420 A A	8.2	724	BSW
	65	235/65R17	104	T	420 A A	8.2	738	BSW
16	65	215/65R16	102	H	420 A A	8.2	686	BSW
	70	215/70R16	100	H	420 A A	8.2	708	BSW

BSW Black Side Wall

Valera AT

ALL-TERRAIN

All-Terrain tire for SUV and light truck with all-round capability on and off road.

Rim Range : **15 16 17 18 20**

Aspect Ratio : **55 60 65 70 75**

FEATURES

Five longitudinal blocks

Unique shoulder blocks design

Chamfered grooves with 3D design

Interlocked tread blocks

BENEFITS

- ▶ Provides excellent traction for all terrain and all seasons
- ▶ Provide traction in mud and slush
- ▶ Eject stones to improve tire life and maintain good traction(s)
- ▶ Improve tread stiffness for stable handling and braking, and without compromise in wet performance



All Terrain



Symmetrical



All Season

Valera AT

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth		 Overall Diameter		Side Wall
						mm	mm			
20	55	P275/55R20	111	T	520 A B	10.6	810	BSW		
	60	P275/60R20	114	T	520 A B	10.6	838	BSW		
18	60	P265/60R18	109	T	520 A B	10.6	775	OWL		
	65	P265/65R18	112	S	520 A B	10.6	801	OWL		
	70	P265/70R18	114	S	520 A B	10.6	829	OWL		
	65	P275/65R18	114	T	520 A B	10.6	815	OWL		
17	70	P235/70R17	108	S	520 A B	10.6	762	BSW		
	65	P245/65R17	105	T	520 A B	10.6	750	BSW		
	70	P245/70R17	108	T	520 A B	10.6	776	BSW		
	65	P265/65R17	110	T	520 A B	10.6	776	OWL		
	70	P265/70R17	113	T	520 A B	10.6	804	BSW		
	70	P285/70R17	117	T	520 A B	10.6	832	OWL		
16	70	LT245/70R16	120/116	S	-	12.6	774	BSW		
	75	LT265/75R16	123/120	S	-	12.6	804	BSW		
	70	P235/70R16	104	T	520 A B	10.6	736	BSW		
	70	P245/70R16	106	T	520 A B	10.6	750	BSW		
	75	P245/75R16	109	T	520 A B	10.6	774	OWL		
	70	P255/70R16	109	T	520 A B	10.6	764	OWL		
	70	P265/70R16	111	T	520 A B	10.6	778	BSW		
15	75	P235/75R15	108	T	520 A B	10.6	733	BSW		
		31×10.50R15C	109	S	-	12.6	775	BSW		

BSW Black Side Wall **OWL** Outline White Letter

Valera HT

ENJOY LIFE'S EVERYDAY EXPEDITIONS



Rim Range : **16 17 18**

Aspect Ratio : **60 65 70**

FEATURES

Four wide circumferential grooves

Continuous center rib design

Advanced variable pitch tread design

Extended shoulder grooves

BENEFITS

▶ Effective water evacuation ensuring optimum all weather performance

▶ Enhances straight driving performance and comfort

▶ Quiet and smooth ride even under high speed driving conditions

▶ Excellent cornering stability



Highway Terrain



Symmetrical



All Season



Handling



Water Evacuation

ENJOY LIFE'S EVERYDAY
EXPEDITIONS

Valera HT

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth mm	 Overall Diameter mm	Side Wall
18	60	235/60R18	103	H	520 A B	8.2	739	BSW
17	65	225/65R17	102	H	520 A B	8.2	724	BSW
16	65	215/65R16	102	H	520 A B	8.2	686	BSW
	70	P215/70R16	99	S	520 A B	8.2	708	BSW

BSW Black Side Wall **OWL** Outline White Letter



PW4x4 PX70

A specially designed all-terrain pattern for off-road vehicles, featuring robust off-road capabilities, while maintaining low noise and high comfort.



Rim Range : **15 16 17 18**

Aspect Ratio : **60 65 70 75**

FEATURES

60 tread block pitches, creating a round tread shape profile

Connected bars of the tire shoulder

Newly improved compound optimized for off-road conditions

40% of land-water ratio

BENEFITS

▶ Reduces tire noise, qualified with EU labelling standards

▶ Decreases noise caused by strike, vibration, and deformation

▶ Excellent wet braking performance

▶ Increases water drainage and ensures grip performance on wet and slippery roads



All Terrain



Handling



SUV



Water Evacuation

PW4x4 PX70

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth mm	 Overall Diameter mm	Side Wall
18	60	235/60R18	103	T	-	9.5	739	RBL
17	65	225/65R17	102	T	-	9.5	724	RWL
	65	235/65R17	104	T	-	9.5	738	RWL
	65	LT245/65R17	105/102	S	-	12.0	750	RWL
	65	LT265/65R17	120/117	S	-	12.0	776	RWL
16	65	215/65R16	98	T	-	9.5	686	RBL
	70	LT235/70R16	104/101	S	-	12.0	736	RWL
	70	LT245/70R16	106/103	S	-	12.0	750	RWL
	70	LT265/70R16	117/114	S	-	12.0	778	RWL
15	75	LT215/75R15	100/97	S	-	12.0	703	RWL

BSW Black Side Wall **RWL** Raised White Letter **RBL** Raised Black Letter

PV600

MAXIMUM LOAD AND
OPTIMUM MILEAGE



Rim Range : 14 15

Aspect Ratio : 70

FEATURES

Optimised variable pitch
pattern design

Extra-Endurance technology

Advanced bead filler

BENEFITS

- ▶ Delivers a quiet ride
- ▶ Enables higher load potential and improves safety margins
- ▶ Enhances high speed stability and improves steering response



CV



Light Truck



Symmetrical

MAXIMUM LOAD AND
OPTIMUM MILEAGE

PV600

Inch	Series	Size	Load Index	Speed Rating	UTQG	 Tread Depth mm	 Overall Diameter mm	Side Wall
15	-	185R15C LT	103/102	Q	-	9.5	674	BSW
	70	195/70R15C LT	99/96	R	-	9.5	655	BSW
	70	205/70R15C LT	106/104	R	-	9.7	669	BSW
	70	215/70R15C LT	104/101	S	-	9.9	683	BSW
14	70	175/70R14C LT	95/93	S	-	8.5	602	BSW
	-	175R14C LT	99/97	N	-	9.5	636	BSW
	-	195R14C LT	106/104	R	-	9.5	666	BSW

BSW Black Side Wall

PS10 RUNFLAT



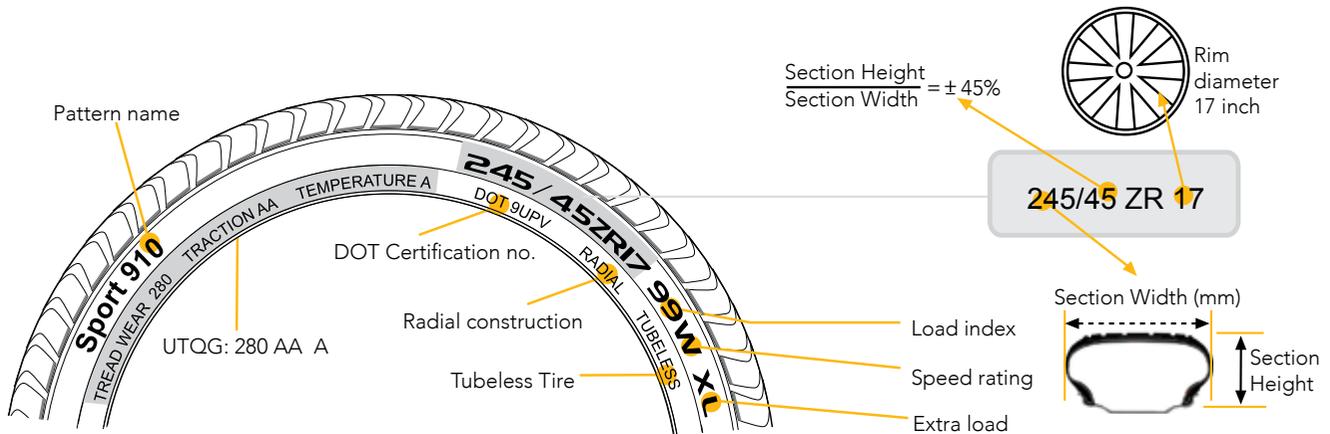
Inch	Series	Size	Load Index	Speed Rating	UTQG	Tread Depth	Overall Diameter	Side Wall
20	45	255/45R20	101	W	320 A A	7.7	738	BSW
19	50	255/50RF19	107	W	320 A A	8.0	739	BSW
	55	235/55RF19	101	V	320 A A	8.0	741	BSW
	40	275/40RF19	101	Y	320 A A	7.7	703	BSW
	45	245/45RF19	98	Y	320 A A	7.7	703	BSW
	40	245/40RF19	98	Y	320 A A	7.7	679	BSW
	35	275/35RF19	96	Y	320 A A	7.7	675	BSW
18	40	245/40R18	97	W	320 A A	7.7	653	BSW
	45	225/45RF18	95	W	320 A A	7.7	659	BSW
	50	225/50RF18	95	W	320 A A	7.7	683	BSW
	45	245/45RF18	100	Y	320 A A	7.7	677	BSW
	50	245/50RF18	100	W	320 A A	7.7	703	BSW
	55	255/55RF18	109	W	320 A A	7.7	737	BSW
17	45	225/45RF17	91	W	320 A A	7.7	634	BSW
	50	225/50RF17	98	W	320 A A	7.7	658	BSW
	55	225/55RF17	97	W	320 A A	8.0	680	BSW

PS20 RUNFLAT



Inch	Series	Size	Load Index	Speed Rating	UTQG	Tread Depth	Overall Diameter	Side Wall
16	55	225/55R16	95	W	420 A A	8.0	654	BSW
	55	205/55R16	91	V	420 A A	8.0	632	BSW

DESIGNATIONS, LOADS AND SPEED INDEX



Speed symbols
Maximum speed

SI	KmH
L	120
M	130
N	140
P	150
Q	160
R	170
S	180
T	190
U	200
H	210
V	240
W	270
Y	300

Load Capacity Index

LI	Kg	LI	Kg	LI	Kg	LI	Kg
55	218	79	437	101	825	123	1550
58	218	80	450	102	850	124	1600
59	243	81	462	103	875	125	1650
60	250	82	485	104	900	126	1700
61	257	83	487	105	925	127	1750
62	265	84	500	106	950	128	1800
63	272	85	515	107	975	129	1850
64	280	86	530	108	1000	130	1900
65	290	87	545	109	1030	131	1950
66	300	88	560	110	1060	132	2000
67	307	89	580	111	1090	133	2060
68	315	90	600	112	1120	134	2120
69	325	91	615	113	1150	135	2180
70	335	92	630	114	1180	136	2240
71	345	93	650	115	1215	137	2300
72	355	94	670	116	1250	138	2360
73	365	95	690	117	1285	139	2430
74	375	96	710	118	1320	140	2500
75	387	97	730	119	1360		
76	400	98	750	120	1400		
77	412	99	775	121	1450		
78	425	100	800	122	1500		

UTQG (Uniform Tire Quality Grades) Rating

The UTQG (Uniform Tire Quality Grades) rating is a labeling requirement by the U.S Department of Transportation for all tire manufacturers. The label of UTQG represents a tire's Treadwear, Traction and Temperature resistance. Traction and temperature resistance ratings are specific performance levels, while treadwear ratings are assigned by manufacturers following tests conducted and are reliable when comparing tires of the same brand.



The UTQG rating comprises of 3 components.

Treadwear

The treadwear grade indicates the wear rate of a tire and is a comparative rating based on test conducted by tire manufacturers. The grades are not an indication of actual mileage, but can be used as a relative comparison. For example, a grading of 400 should last twice as long as a tire graded 200, given similar driving conditions in the same brand.

Traction

Traction rating is an indication of a tires ability to stop on wet pavement. The braking distance is indicated by ratings of "AA" (highest braking ability), "A", "B" and "C". Traction rating only indicates straight line wet braking and does not indicate wet cornering abilities of the tire.

Temperature

Temperature resistance rating indicates the tire's ability to withstand heat. It is graded according to a properly inflated and not overloaded tire. It is graded from "C" being the lowest to "B" and "A" ratings.

Load Index (Symbol and maximum load in Lbs & Kg)

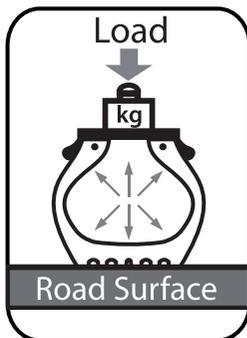
LI	Lbs	Kgs	LI	Lbs	Kgs	LI	Lbs	Kg	LI	Lbs	Kg
71	761	345	81	1019	462	91	1356	615	101	1819	825
72	783	355	82	1047	475	92	1389	630	102	1874	850
73	805	365	83	1074	487	93	1433	650	103	1929	875
74	827	375	84	1102	500	94	1477	670	104	1984	900
75	853	387	85	1135	515	95	1521	690	105	2039	925
76	882	400	86	1168	530	96	1565	710	106	2094	950
77	908	412	87	1201	545	97	1609	730	107	2149	975
78	937	425	88	1235	560	98	1653	750	108	2205	1000
79	963	437	89	1279	580	99	1709	775	109	2271	1030
80	992	450	90	1323	600	100	1764	800	110	2337	1060

Speed Rating (symbol and maximum speed in MpH & KmH)

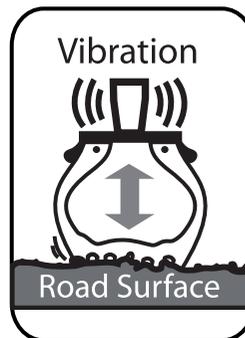
	J	K	L	M	N	P	Q	R	S	T	H	V	W	Y
MpH	62	68	75	81	87	93	100	106	113	118	130	150	168	188
KmH	100	110	120	130	140	150	160	170	180	190	210	240	270	300

Note: A "ZR" may appear for tires having a maximum speed capability above 240km/h (150 mph)

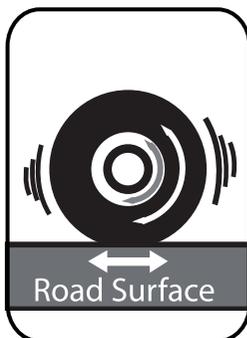
General function of tires for all types of vehicles



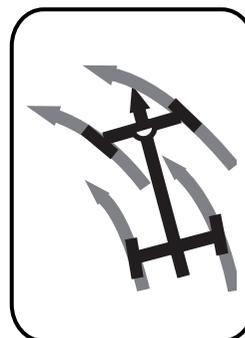
- 1. Weight-bearing**
Air pressure and tire construction are important factors to carry and sustain the weight of vehicles.



- 2. Absorb shocks**
Air pressure and tire construction reduces initial road vibrations and shocks before being muted again by the suspension.

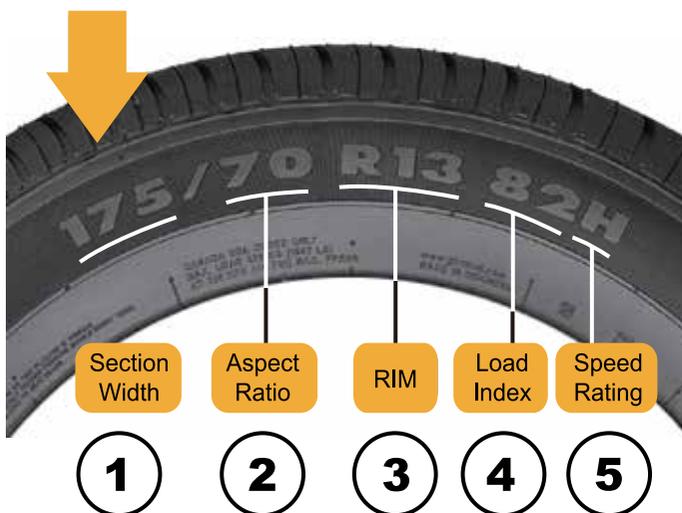


- 3. Delivering power from the engine**
Tires serve to deliver power from the engine to move the vehicle and also provides traction and braking performance.



- 4. Translating steering wheel movement**
Tires are very important in controlling the direction of the vehicle, which will determine the maneuvering capability and stability in driving.

Understand tire size



Tires have its 'language' to communicate in the form of a series of numbers and letters to indicating data specification, brand and type. It is universal and has been agreed by all tire manufacturers worldwide.

Here are the meanings of these codes:

1. Tire width (in mm)
2. A tire's aspect ratio is the dimensional relationship of the tire's section height to section width, expressed as a percentage.
3. Diameter of wheel (in inches)
4. Load Index
5. Speed Index

Understand Load Index and Speed Rating

The Speed index is an assigned letter ranging from J to Z that corresponds to the reference maximum speed at the associated load index. Refer to the load index and speed rating tables on the previous page (page 30).

These two elements put together are called the service description and are mutually dependent. The table below gives the load index and the speed symbol with their corresponding value.

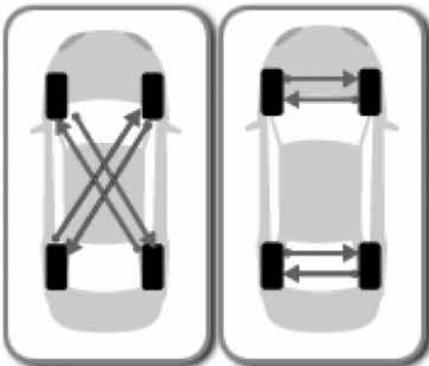
Rotate your tyre regularly to improve tire life

Regular tire rotation helps to prolong the tire's life and maintains optimum performance and mileage of the tires. Tires not rotated on regular basis will result in uneven wear and will also compromise the performance of the tires over time.



Rotation is required when the tire mileage reaches between 8,000-10,000km.

There are 2 different ways of tire rotation, the 4-Tire rotation and 5-Tire rotation.



Diagonal

Horizontal

4-Tire rotation

Can be done by diagonal, horizontal or vertical rotation

For diagonal rotation

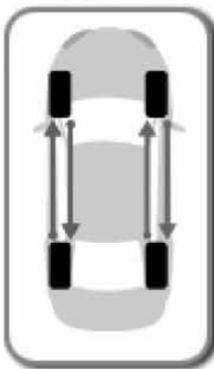
it is done by swapping the front left tire to right rear and front right tire with the rear left

For horizontal rotation

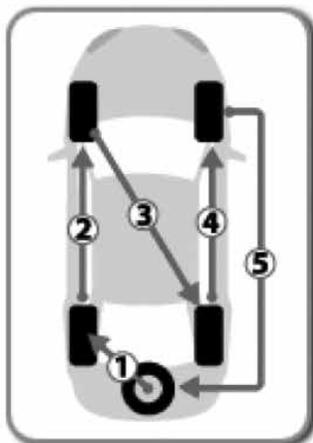
it is done by exchanging the front right wheel with the left front wheel. Likewise for the rear wheels, rear right tire will be exchanged with the left rear tire. This method is normally used for non-directional tires

For vertical rotation

it is done by swapping the front right tire with the back right tire, and the front left tire with the back left tire. This method is normally used for directional tread pattern tires



Vertical



5-Tires rotation (with spare tire)

5 tire rotation relatively similar to the 4 tire diagonal, except that the spare tire will also be rotated. The spare tire is to be mounted on the left rear, left rear tire moved to the front left. The left front tire will be moved to right back and right back to be moved to the front right. Lastly, the right front tire will be used as the spare tire. This method of rotation is normally used for 4-wheel and all-wheel drive vehicles.

Note: Do not use the 5-Tire rotation method if the spare tire is of a different brand/model to the rest of the tires.

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