

DELINTE

PRODUCT MANUAL 2014



SENTURY

QINGDAO SENTURY TIRE CO.,LTD.

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AN INTRODUCTION OF QINGDAO SENTURY TIRE CO.,LTD



Qingdao Sentury Tire Co. Ltd (hereafter referred as "Sentury") is a tire manufacturer which started mass production in 2009 and was principally engaged in passenger tires and aircraft tires. Sentury's facilities cover an area of 9.6 million square feet with an annual capacity of 9 million tires in 2013. The whole project is designed into 3 phases: the first phase (2009 - 2014) will see 14 million annual capacity in passenger tires and 80 thousand aircraft tires; The second phase (2015 - 2018) will see another 18 million annual capacity; Sentury will reach 48.08 million annual capacity after the third phase(2019-2022), which includes a full range of summer and winter tires for PCR, UHP, SUV, CUV, LTR, VAN, A/T and M/T, as well as aircraft tires.

Sentury's goal is to establish a world-class tire brand focusing on integrity, innovation, win-win business, diligence, and harmonious team work. The core concept is to achieve sustainable development by innovation, talent, excellent products and services. Sentury is trying to use the advanced management culture to guide the development. The quality policy of Sentury is to bear expectations, strict and meticulous management, perseverance and the pursuit of excellence. Under this concept and policy, Sentury introduced European leading tire technology, adhering to the development of high-quality and high additional value products and the concept of green products. It has passed the ISO9001, ISO/TS16949, ISO14001 and OHSAS18001 certification which effectively covers product development, raw material supply, production process control, logistics management, service, environmental protection, employees' health and safety and many other aspects. Sentury has also acquired the E-mark, CCC, DOT, R117, INMETRO, GCC, SONCAP, LATU, etc..

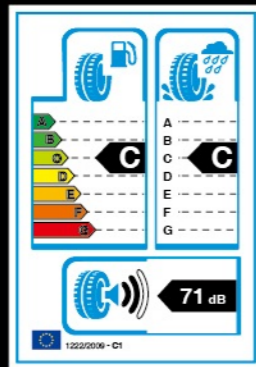
Sentury manufactures and sells tires under the brands of Landsail, Delinte and Sentury. These brands include summer and winter tires for PCR, UHP, SUV, CUV, LTR, VAN, A/T and M/T, totaling 13 series and more than 400 specifications. Sentury has obtained 5 national invention patents, 2 national utility model patents, 15 national design patents and 2 European Union design patents. Sentury has been one of the leading companies in tire producing sector worldwide with ultra high performance tire's development and manufacturing. Sentury is the first enterprise in China to produce tires in 20 series, such as 315/20ZR30, and is also the first manufacturer in the world to produce a mass capacity of SUV in the size of 32 inch (305/25ZR32) which has been sold in the international market regularly. Sentury developed ultra-quiet green tires which surpassed the B/B level set by EU labeling law in rolling resistance and wet-grip. Sentury reached the 68DB level for the noise testing, surpassing the European standard in 2018. The production of run flat tires leads the national tire industry in China. The problem with poor comfort in normal run flat tire has been solved by Sentury's unique tire formula and structural design. Customers can drive safely at a high speed with a comfortable feel with Sentury's run flat tires.

In January 2012, the aircraft tire developed by Sentury which is for the airplane, such as Boeing 737-800, passed all the tests as specified in the technical standard TSOC62e-2006 "aircraft tires" by Federal Aviation Administration of US. In April 2013, the aircraft tire from Sentury passed the technical standard order approvals (CTSOA) by the Civil Aviation Administration of China. Now Sentury has become one of the few enterprises in the world and the first private enterprise in China with the aircraft tire manufacturing technology.

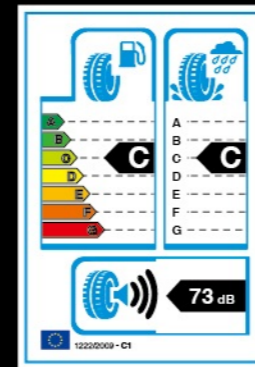
Sentury is committed to supplying high quality and safety products to satisfy costumers. Sentury is actively exploring the local and international markets under the philosophy of building a long-term, stable, win-win strategic and cooperative partnership. Now Sentury's global customer net work has been set up in more than 150 countries and regions worldwide, including North America, South and Central America, Europe, Africa, Oceania and Asia. Sentury also becomes the main supplier of some of the auto makers in China, such as Brilliance Auto and HuaTai Auto.

LABELLING LEVEL

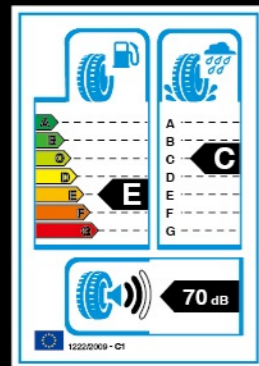
215/70R15 98H
DH2



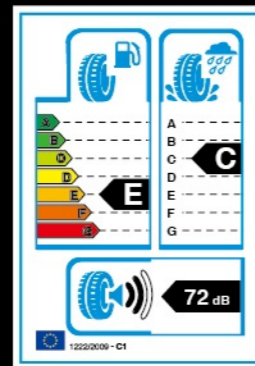
245/65R17 107H
DH7 SUV



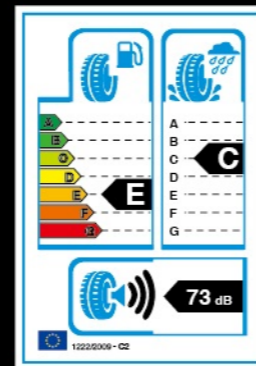
225/40ZR18 92W XL
D7



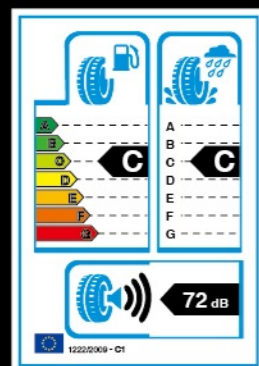
245/45ZR20 103W XL
D8



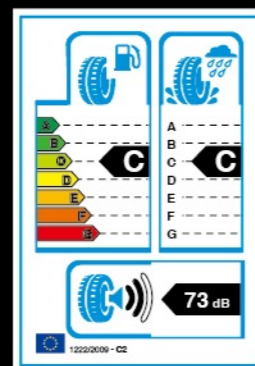
195/70R15C 104/102S
DV2



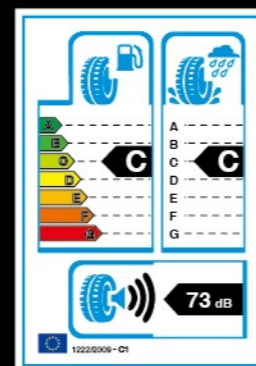
185/65R15 88H
WINTER WD1



205/65R16C 107/105T
WINTER WD2



215/55R17 93H
WINTER WD3



Grading of Wet Grip

WG Grade	A	B	C	D	E	F	G
Grip	$G \geq 1.55$	$1.4 \leq G \leq 1.54$	$1.25 \leq G \leq 1.39$	Empty	$1.1 \leq G \leq 1.24$	$G \leq 1.09$	Empty

Grading of Rolling Resistance

C1 tyres		C2 tyres		C3 tyres	
RRC in kg/t	Energy efficiency class	RRC in kg/t	Energy efficiency class	RRC in kg/t	Energy efficiency class
$RRC \leq 6.5$	A	$RRC \leq 5.5$	A	$RRC \leq 4.0$	A
$6.6 \leq RRC \leq 7.7$	B	$5.6 \leq RRC \leq 6.7$	B	$4.1 \leq RRC \leq 5.0$	B
$7.8 \leq RRC \leq 9.0$	C	$6.8 \leq RRC \leq 8.0$	C	$5.1 \leq RRC \leq 6.0$	C
Empty	D	Empty	D	$6.1 \leq RRC \leq 7.0$	D
$9.1 \leq RRC \leq 10.5$	E	$8.1 \leq RRC \leq 9.2$	E	$7.1 \leq RRC \leq 8.0$	E
$10.6 \leq RRC \leq 12.0$	F	$9.3 \leq RRC \leq 10.5$	F	$RRC \geq 8.1$	F
$RRC \geq 12.1$	G	$RRC \geq 10.6$	G	Empty	G

New Requirements of EU Tyre Labelling Regulation

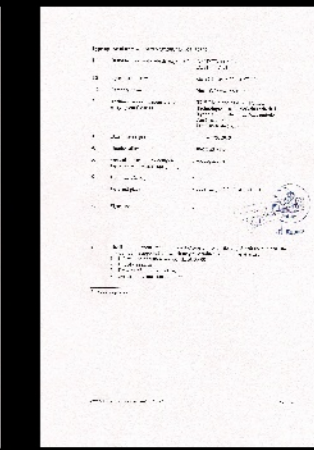
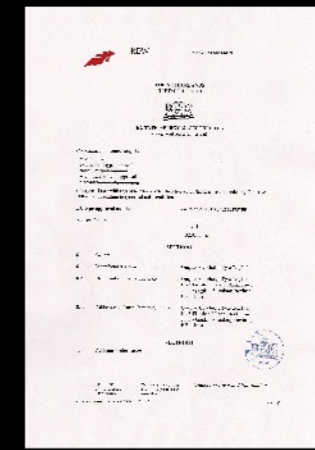
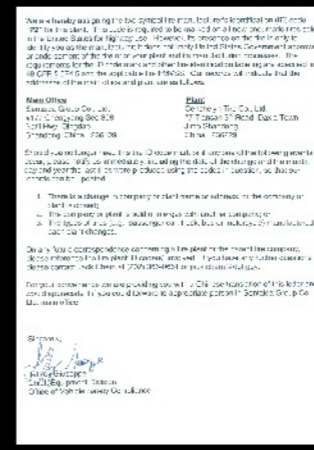
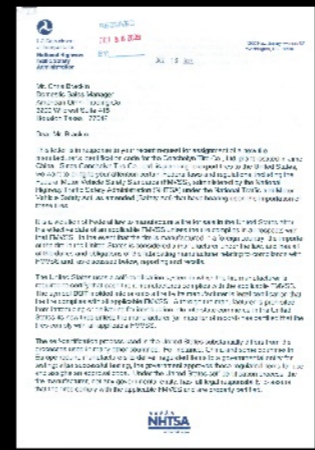
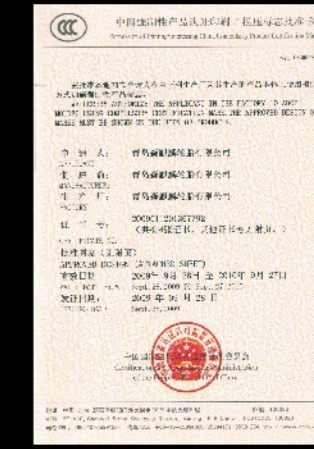
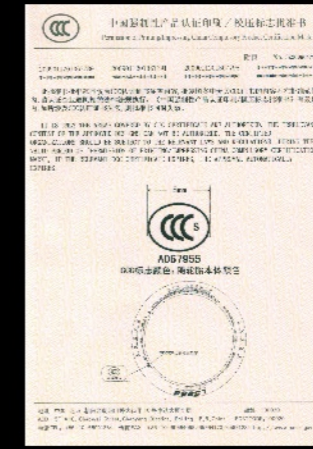
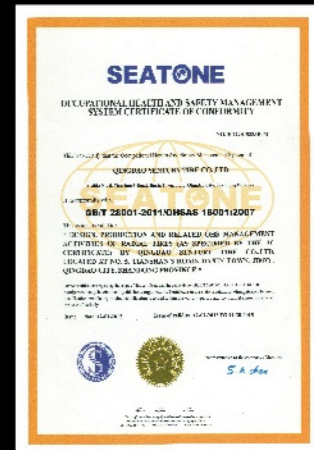
EU new limit value of noise is designated for the tyres approved after Nov.1, 2012. (The tyres manufactured before could be continuously sold for 30 months until May.1, 2015.)

Tire Class	Nominal section	Current Limit	EU New limit values
		in dB(A)	proposed in dB(A)
C1A	≤ 185	72-74	70
C1B	$> 185 \leq 215$	75	71
C1C	$> 215 \leq 245$	76	71
C1D	$> 245 \leq 275$	76	72
C1E	> 275	76	74
C2	Normal	75	72
	Traction	77	73
	Special	78	Cancelled
C3	Normal	76	73
	Traction	78	75
	Special	79	Cancelled

1. Limit values for Snow Tyres, Reinforced Tyres and Overload Tyres of Class C1, 1dB(A) higher is permitted.
2. Limit value for Snow Tyres of Class C2 Traction, 2dB(A) higher is permitted.
3. Limit value for other Snow Tyres of Class C2 and Class C3, 1dB(A) higher is permitted.
4. Limit value for Special tyres, 2dB(A) higher is permitted.

CERTIFICATION

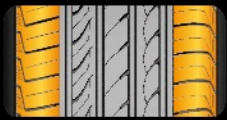
- Aug. 2009, E-mark certificate
- Sep. 2009, CCC certificate
- Oct. 2009, DOT certificate
- Jan. 2010, E-sound certificate
- Apr. 2010, INMETRO certificate
- Apr. 2010, ISO/TS16949: 2009 certificate
- Jun. 2010, GCC certificate
- Aug. 2010, ECE-SW certificate
- Mar. 2012, SONCAP certificate
- Dec. 2012, ISO 9001 certificate
- Dec. 2012, ISO 14001 certificate
- Dec. 2012, ISO 18001 certificate





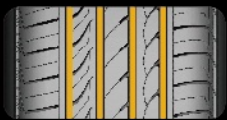
**ALL SEASON PERFORMANCE
TOURING CAR TIRE**

DH2



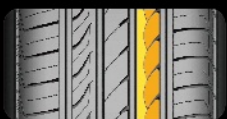
Asymmetric pattern design

5-pitch tread pattern design with variable scales



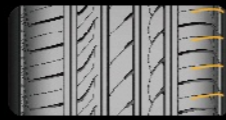
Four wide longitudinal grooves

Four wide longitudinal grooves ensure high efficient water-evacuating and prevent the tire lateral slide.



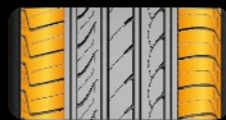
Silent grooves

Using grooves that do not pass through to the side of the tire prevents air from escaping and cuts down on noise.



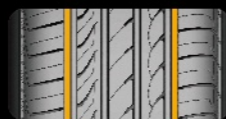
3D shoulder grooves

Reduces noise



Special shoulder design

Integrated shoulder with resisting bars reduces the irregular tread wear and wind noise



Wear control shoulder

Reduce "heel and toe" wear, one cause of noise, for continued silence.

Series	Size	LI SI	Approved Rim	Tread Depth		Overall Diameter		Section Width		Max. Load		Max. Pressure	
				1/32"	MM	inch	mm	inch	mm	lbs	kg	psi	kPa
35	215/35ZR18	84 W XL	7.0- 7.5 -8.5	9.6	7.6	23.9	607	8.6	218	1102	500	49	340
	255/35ZR18	94 W XL	8.5-9.0 -10.0	9.6	7.6	25.0	635	10.2	260	1477	670	49	340
40	205/40ZR17	84 W XL	7.0- 7.5 -8.0	9.6	7.6	23.5	596	8.3	212	1102	500	49	340
	245/40ZR17	95 W XL	8.0- 8.5 -9.5	9.6	7.6	24.7	628	9.8	248	1521	690	49	340
	215/40ZR18	89 W XL	7.0- 7.5 -8.5	9.6	7.6	24.8	629	8.6	218	1279	580	49	340
	225/40ZR18	92 W XL	7.5- 8.0 -9.0	9.6	7.6	25.1	637	9.1	230	1389	630	49	340
	235/40ZR18	95 W XL	8.0- 8.5 -9.5	9.6	7.6	25.4	645	9.5	241	1521	690	49	340
45	245/40ZR18	97 W XL	8.0- 8.5 -9.5	9.6	7.6	25.7	653	9.8	248	1609	730	49	340
	215/45ZR17	91 W XL	7.0 -7.5-8.0	9.6	7.6	24.6	626	8.4	213	1356	615	49	340
	225/45ZR17	94 W XL	7.0- 7.5 -8.5	9.6	7.6	25.0	634	8.9	225	1477	670	49	340
	235/45ZR17	97 W XL	7.5- 8.0 -9.0	9.6	7.6	25.4	644	9.3	236	1609	730	49	340
	245/45ZR17	99 W XL	7.5- 8.0 -9.0	9.6	7.6	25.7	652	9.6	243	1709	775	49	340
50	225/45ZR18	95 W XL	7.0- 7.5 -8.5	9.6	7.6	25.9	659	8.9	225	1521	690	49	340
	235/45ZR18	98 W XL	7.5- 8.0 -9.0	9.6	7.6	26.3	669	9.3	236	1653	750	49	340
	245/45ZR18	100 W XL	7.5- 8.0 -9.0	9.6	7.6	26.7	677	9.6	243	1764	800	49	340
	195/50R15	82 V	5.5- 6.0 -7.0	9.6	7.6	22.7	577	7.9	201	1047	475	44	300
	205/50R16	87 W	5.5- 6.5 -7.5	9.6	7.6	24.1	612	8.4	214	1201	545	44	300
55	205/50ZR17	93 W XL	5.5- 6.5 -7.5	9.6	7.6	25.1	638	8.4	214	1433	650	49	340
	215/50ZR17	95 W XL	6.0- 7.0 -7.5	9.6	7.6	25.5	648	8.9	226	1521	690	49	340
	225/50ZR17	98 W XL	6.0- 7.0 -8.0	9.6	7.6	25.9	658	9.2	233	1653	750	49	340
	225/50ZR18	99 W XL	6.0- 7.0 -8.0	9.6	7.6	26.9	683	9.2	233	1709	775	49	340
	235/50ZR18	101 W XL	6.5- 7.5 -8.5	9.6	7.6	27.3	693	9.6	245	1819	825	49	340
60	185/55R15	82 V	5.0- 6.0 -6.5	9.6	7.6	23.0	585	7.6	194	1047	475	44	300
	195/55R15	85 V	5.5- 6.0 -7.0	9.6	7.6	23.4	595	7.9	201	1135	515	44	300
	195/55ZR16	87 W	5.5- 6.0 -7.0	9.6	7.6	24.4	620	7.9	201	1201	545	44	300
	205/55ZR16	91 W/V	5.5- 6.5 -7.5	9.6	7.6	24.9	632	8.4	214	1356	615	44	300
	205/55ZR16	94 W XL	5.5- 6.5 -7.5	9.6	7.6	24.9	632	8.4	214	1477	670	49	340
	215/55ZR16	97 W XL	6.0- 7.0 -7.5	9.6	7.6	25.3	642	8.9	226	1609	730	49	340
	225/55ZR16	99 W XL	6.0- 7.0 -8.0	9.6	7.6	25.7	654	9.2	233	1709	775	49	340
	215/55ZR17	94 W	6.0- 7.0 -7.5	9.6	7.6	26.3	668	8.9	226	1477	670	44	300
	215/55ZR17	98 W XL	6.0- 7.0 -7.5	9.6	7.6	26.3	668	8.9	226	1653	750	49	340
	225/55ZR17	101 W XL	6.0- 7.0 -8.0	9.6	7.6	26.8	680	9.2	233	1819	825	49	340
65	225/55ZR18	102 W XL	6.0- 7.0 -8.0	9.6	7.6	27.8	705	9.2	233	1874	850	49	340
	235/55ZR18	104 W XL	6.5- 7.5 -8.5	9.6	7.6	28.1	715	9.6	245	1984	900	49	340
	165/60R14	75 H	4.5- 5.0 -6.0	9.3	7.4	21.8	554	6.7	170	853	387	44	300
	175/60R14	79 T	5.0- 5.5 -6.0	9.3	7.4	22.3	566	7.0	177	963	437	44	300
	185/60R14	82 H	5.0- 5.5 -6.5	9.3	7.4	22.8	578	7.4	189	1047	475	44	300
	195/60R14	86 H	5.5- 6.0 -7.0	9.3	7.4	23.2	590	7.9	201	1168	530	44	300
	185/60R15	84 H	5.0- 5.5 -6.5	9.6	7.6	23.7	603	7.4	189	1102	500	44	300
	195/60R15	88 H/V	5.5- 6.0 -7.0	9.6	7.6	24.2	615	7.9	201	1235	560	44	300
	205/60R15	91 V	5.5- 6.0 -7.0	9.6	7.6	24.7	627	8.2	209	1356	615	44	300
	205/60R16	92 H/V	5.5- 6.0 -7.5	9.6	7.6	25.7	652	8.2	209	1389	630	44	300
70	215/60R16	99 H/V XL	6.0- 6.5 -7.5	9.6	7.6	26.1	664	8.7	221	1709	775	49	340
	225/60R16	98 H	6.0- 6.5 -8.0	9.6	7.6	26.6	676	9.0	228	1653	750	44	300
	215/60R17	100 H XL	6.0- 6.5 -7.5	9.6	7.6	27.2	690	8.7	221	1764	800	49	340
	215/60R17	96 H	6.0- 6.5 -7.5	9.6	7.6	27.2	690	8.7	221	1565	710	49	340
	225/60R18	100 H/V	6.0- 6.5 -8.0	9.6	7.6	28.6	727	9.0	228	1764	800	49	340
	155/65R13	73 T	4.5 -5.0-5.5	9.2	7.3	20.9	532	6.2	157	805	365	44	300
	155/65R14	75 T	4.5 -5.0-5.5	9.4	7.4	22.0	558	6.2	157	853	387	44	300
	165/65R13	77 T/H	4.5- 5.0 -6.0	9.2	7.3	21.4	544	6.7	170	908	412	44	300
	165/65R14	79 T/H	4.5- 5.0 -6.0	9.3	7.4	22.4	570	6.7	170	963	437	44	300
	175/65R14	82 H/T	5.0- 5.5 -6.0	9.3	7.4	23.0	584	7.0	177	1047	475	44	300
80	185/65R14	86 T/H	5.0- 5.5 -6.5	9.3	7.4	23.5	596	7.4	189	1168	530	44	300
	175/65R15	84 T/H	5.0- 5.5 -6.0	9.6	7.6	24.0	609	7.0	177	1102	500	44	300
	185/65R15	88 T/H	5.0- 5.5 -6.5	9.6	7.6	24.4	621	7.4	189	1235	560	44	300
	195/65R15	91 H/V	5.5- 6.0 -7.0	9.6	7.6	25.0	635	7.9	201	1356	615	44	300
	205/65R15	94 H	5.5- 6.0 -7.5	9.6	7.6	25.5	647	8.2	209	1477	670	44	300
	205/65R16	99 H/V XL	5.5- 6.0 -7.5	9.6	7.6	26.5	672	8.2	209	1709	775	49	340
	215/65R16	102 H XL	6.0- 6.5 -7.5	9.6	7.6	27.0	686	8.7	221	1874	850	49	340
	225/65R16	100 H	6.0- 6.5 -8.0	9.6	7.6	27.5	698	9.0	228	1764	800	44	300
	145/70R13	71 T	3.5- 4.5 -5.0	9.2	7.3	21.0	534	5.9	150	761	345	44	300
	155/70R13	75 T	4.0- 4.5 -5.0	9.2	7.3	21.6	548	6.2	157	853	387	44	300
70	165/70R13	79 T/H	4.0- 5.0 -5.5	9.2	7.3	22.1	562	6.7	170	963	437	44	300
	175/70R13	82 T/H	4.5- 5.0 -6.0	9.2	7.3	22.7	576	7.0	177	1047	475	44	300
	165/70R14	81 T/H	4.0- 5.0 -5.5	9.3	7.4	23.1	588	6.7	170	1019	462	44	300
	175/70R14	88 T/H XL	5.0- 5.5 -6.0	9.3	7.4	23.7	602	7.0	177	1235	560	49	340
	185/70R14	88 T/H	4.5- 5.5 -6.0	9.3	7.4	24.3	616	7.4	189	1235	560	44	300
	195/70R14	91 T/H	5.0- 6.0 -6.5	9.3	7.4	24.8	630	7.9	201	1356	615	44	300
	215/70R15	98 H	5.5- 6.5 -7.0	9.6	7.6	26.9	683	8.7	221	1653	750	44	300
215/70R16	100 H	5.5- 6.5 -7.0	9.6	7.6	27.9	708	8.7	221	1764	800	44	300	
155/80R13	79 T	4.0- 4.5 -5.0	9.2	7.3	22.8	578	6.2	157	963	437	44	300	

Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.



DH7 *SUV*

ALL SEASON HIGHWAY
CROSSOVER AND SUV TIRE



SOLID CONTINUOUS CENTERING RIB

Center solid rib improve high straight-line stability while the small lateral grooves provide optimal braking performance.



OPTIMIZED DESIGN OF LATERAL AND LONGITUDINAL GROOVES

Increased contact area give an extra grip ability, enhance controllability and braking performance.



4 MAIN WIDE LONGITUDINAL GROOVES

4 main wide longitudinal grooves enhances water evacuation, improve cornering and handling performance on wet ground.



CONTINUOUS AND INSEPARABLE SHOULDER DESIGN.

Extensive sipes design enlarge rubber-to-road contact area, improve the cornering controllability and stability, especially at high speed.

Series	Size	LI SI	Approved Rim	Tread Depth 1/32" MM	Overall Diameter inch mm	Section Width inch mm	Max. Load lbs kg	Max. Pressure psi kPa	Revs Per Mile	UTQG
55	235/55R17	99 V	6.5- 7.5 -8.5	10.2 8.1	27.2 690	9.6 245	1709 775	44 300	765	500/A/A
	255/55ZR18	109 W XL	7.0- 8.0 -9.0	9.8 7.8	29.0 737	10.4 265	2271 1030	49 340	716	500/A/A
60	225/60R17	99 H	6.0- 6.5 -8.0	10.2 8.1	27.6 702	9.0 228	1709 775	44 300	751	500/A/A
	235/60R18	107 V XL	6.5- 7.0 -8.5	9.8 7.8	29.1 739	9.4 240	2149 975	49 340	714	500/A/A
65	225/65R17	102 H	6.0- 6.5 -8.0	9.8 7.8	28.5 724	9.0 228	1874 850	44 300	729	500/A/A
	235/65R17	108 H XL	6.5- 7.0 -8.5	9.8 7.8	29.1 738	9.4 240	2205 1000	49 340	715	500/A/A
	245/65R17	107 H	7.0- 7.5 -8.5	9.8 7.8	29.5 750	9.8 248	2149 975	44 300	703	500/A/A
	255/65R17	110 H	7.0 -7.5-9.0	9.8 7.8	30.1 764	10.2 260	2337 1060	44 300	690	500/A/A
	265/65R17	112 H	7.5- 8.0 -9.5	9.8 7.8	30.6 776	10.7 272	2469 1120	44 300	680	500/A/A

Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.



ALL SEASON ULTRA
HIGH PERFORMANCE TIRE

D7 THUNDER



▪ ORIGINALITY

Both of the special main blaze shape pattern block and shoulder provide unparalleled operation property. Specialized compound, cooperated with siping designs, offers optimal balance for fuel economy, traction and ride comfort.

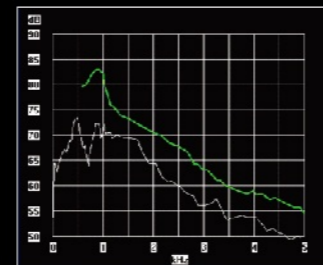
▪ 4-wide longitudinal grooves for highly hydroplaning resistance.



Gradually changeable design of circumferentially center main grooves and the scores on side surface of grooves, on the one hand, can absorb the vibrational noise, on the other hand, it can steer air flow to reduce noise generated by collision.

New design and advanced technology provide new taste of high speed.

Series	25、30、35、40、45、50、55、60
Rim inches	16、17、18、19、20、22
Speed rate	V、H、W、Y
Typical vehicle matches	Acura Integra; Chevrolet Cavalier; Ford Focus; Dodge Neon; Honda Accord; Mazda Pratege; Mitsubishi Eclipse; Nissan Sentra; Audi A4; Volkswagen Golf; Passat; Toyota Corolla



Standard curves showing low noise level in North America. Result of D7 Tire

Series	Size	LI SI	Approved Rim	Tread Depth		Overall Diameter		Section Width		Max. Load		Max. Pressure		Revs Per Mile	UTQG
				1/32"	MM	inch	mm	lbs	kg	psi	kPa				
25	305/25ZR20	97 W XL	10.5-11.0-11.5	9.8	7.8	26.0	660	12.3	313	1609	730	49	340	799	420/A/A
	285/25ZR22	95 W XL	10.5	9.8	7.8	27.6	701	11.6	295	1521	690	49	340	753	420/A/A
	305/25ZR22	103 Y XL	10.5-11.0-11.5	9.8	7.8	28.0	711	12.3	313	1929	875	49	340	742	420/A/A
30	265/30ZR19	93 W XL	9.0-9.5-10.0	9.8	7.8	25.3	643	10.7	271	1433	650	49	340	820	420/A/A
	275/30ZR19	96 W XL	9.0-9.5-10.0	9.8	7.8	25.6	649	10.9	278	1565	710	49	340	813	420/A/A
	225/30ZR20	85 W XL	8.0	9.8	7.8	25.4	644	9.1	230	1135	515	49	340	819	420/A/A
	245/30ZR20	97 W XL	8.0-8.5-9.0	9.8	7.8	25.8	656	9.8	248	1609	730	49	340	804	420/A/A
	255/30ZR20	92 W XL	8.5-9.0-9.5	9.8	7.8	26.1	662	10.2	260	1389	630	49	340	797	420/A/A
	275/30ZR20	97 W XL	9.0-9.5-10.0	9.8	7.8	26.5	674	10.9	278	1609	730	49	340	783	420/A/A
	285/30ZR20	99 W XL	9.5-10.0-10.5	9.8	7.8	26.8	680	11.4	290	1709	775	49	340	776	420/A/A
	225/30ZR22	89 W XL	8.0	9.8	7.8	26.6	676	9.1	230	1279	580	49	340	780	420/A/A
	235/30ZR22	90 W XL	8.5	9.8	7.8	27.6	701	9.5	241	1323	600	49	340	753	420/A/A
	245/30ZR22	95 W XL	8.0-8.5-9.0	9.8	7.8	27.8	707	9.8	248	1521	690	49	340	746	420/A/A
	255/30ZR22	95 Y XL	8.5-9.0-9.5	9.8	7.8	28.1	713	10.2	260	1521	690	49	340	740	420/A/A
	265/30ZR22	97 W XL	9.0-9.5-10.0	9.8	7.8	28.3	719	10.7	271	1609	730	49	340	734	420/A/A
35	215/35ZR18	84 W XL	7.0-7.5-8.5	9.8	7.8	23.9	607	8.6	218	1102	500	49	340	869	420/A/A
	255/35ZR18	94 W XL	8.5-9.0-10.0	9.8	7.8	25.0	635	10.2	260	1477	670	49	340	831	420/A/A
	215/35ZR19	85 W XL	7.0-7.5-8.5	9.8	7.8	24.9	633	8.6	218	1135	515	49	340	833	420/A/A
	225/35ZR19	84 W	7.5-8.0-9.0	9.8	7.8	25.2	641	9.1	230	1102	500	44	300	823	420/A/A
	225/35ZR19	88 W XL	7.5-8.0-9.0	9.8	7.8	25.2	641	9.1	230	1235	560	49	340	823	420/A/A
	235/35ZR19	91 W XL	8.0-8.5-9.5	9.8	7.8	25.5	647	9.5	241	1356	615	49	340	815	420/A/A
	245/35ZR19	97 W XL	8.0-8.5-9.5	9.8	7.8	25.8	655	9.8	248	1609	730	49	340	805	420/A/A
	255/35ZR19	96 W XL	8.5-9.0-10.0	9.8	7.8	26.0	661	10.2	260	1565	710	49	340	798	420/A/A
	275/35ZR19	100 W XL	9.0-9.5-11.0	9.8	7.8	26.6	675	10.9	278	1764	800	49	340	782	420/A/A
	225/35ZR20	93 W XL	7.5-8.0-9.0	9.8	7.8	26.2	666	9.1	230	1433	650	49	340	792	420/A/A
	235/35ZR20	92 W XL	8.0-8.5-9.5	9.8	7.8	26.5	672	9.5	241	1389	630	49	340	785	420/A/A
	245/35ZR20	95 W XL	8.0-8.5-9.5	9.8	7.8	26.8	680	9.8	248	1521	690	49	340	776	420/A/A
255/35ZR20	97 W XL	8.5-9.0-10.0	9.8	7.8	27.0	686	10.2	260	1609	730	49	340	769	420/A/A	
275/35ZR20	102 W XL	9.0-9.5-11.0	9.8	7.8	27.6	700	10.9	278	1874	850	49	340	754	420/A/A	
40	205/40ZR17	84 W XL	7.0-7.5-8.0	9.8	7.8	23.5	596	8.3	212	1102	500	49	340	885	420/A/A
	245/40ZR17	95 W XL	8.0-8.5-9.5	9.8	7.8	24.7	628	9.8	248	1521	690	49	340	840	420/A/A
	215/40ZR18	89 W XL	7.0-7.5-8.5	9.8	7.8	24.8	629	8.6	218	1279	580	49	340	839	420/A/A
	225/40ZR18	92 W XL	7.5-8.0-9.0	9.8	7.8	25.1	637	9.1	230	1389	630	49	340	828	420/A/A
	235/40ZR18	95 W XL	8.0-8.5-9.5	9.8	7.8	25.4	645	9.5	241	1521	690	49	340	818	420/A/A
	245/40ZR18	97 W XL	8.0-8.5-9.5	9.8	7.8	25.7	653	9.8	248	1609	730	49	340	808	420/A/A
	255/40ZR18	99 W XL	8.5-9.0-10.0	9.8	7.8	26.0	661	10.2	260	1709	775	49	340	798	420/A/A
	225/40ZR19	93 W XL	7.5-8.0-9.0	9.8	7.8	26.1	663	9.1	230	1433	650	49	340	796	420/A/A
	245/40ZR19	98 W XL	8.0-8.5-9.5	9.8	7.8	26.7	679	9.8	248	1653	750	49	340	777	420/A/A
	245/40ZR20	99 W XL	8.0-8.5-9.5	9.8	7.8	27.7	704	9.8	248	1709	775	49	340	749	420/A/A
	205/45ZR17	88 W XL	6.5-7.0-7.5	9.8	7.8	24.3	616	8.1	206	1235	560	49	340	856	420/A/A
	215/45ZR17	91 W XL	7.0-8.0	9.8	7.8	24.6	626	8.4	213	1356	615	49	340	843	420/A/A
225/45ZR17	94 W XL	7.0-7.5-8.5	9.8	7.8	25.0	634	8.9	225	1477	670	49	340	832	420/A/A	
235/45ZR17	97 W XL	7.5-8.0-9.0	9.8	7.8	25.4	644	9.3	236	1609	730	49	340	819	420/A/A	
245/45ZR17	99 W XL	7.5-8.0-9.0	9.8	7.8	25.7	652	9.6	243	1709	775	49	340	809	420/A/A	
225/45ZR18	95 W XL	7.0-7.5-8.5	9.8	7.8	25.9	659	8.9	225	1521	690	49	340	801	420/A/A	
245/45ZR18	100 Y XL	7.5-8.0-9.0	9.8	7.8	26.7	677	9.6	243	1764	800	49	340	779	420/A/A	
225/45ZR19	96 W XL	7.0-7.5-8.5	9.8	7.8	27.0	685	8.9	225	1565	710	49	340	770	420/A/A	
245/45ZR19	98 Y	7.5-8.0-9.0	9.8	7.8	27.7	703	9.6	243	1653	750	44	300	750	420/A/A	
255/45ZR20	105 W XL	8.0-8.5-9.5	9.8	7.8	29.1	738	10.0	255	2039	925	49	340	715	420/A/A	
50	205/50ZR17	93 W XL	5.5-6.5-7.5	9.8	7.8	25.1	638	8.4	214	1433	650	49	340	827	420/A/A
	225/50ZR17	98 W XL	6.0-7.0-8.0	9.8	7.8	25.9	658	9.2	233	1653	750	49	340	802	420/A/A
	235/50ZR18	101 W XL	6.5-7.5-8.5	9.8	7.8	27.3	693	9.6	245	1819	825	49	340	761	420/A/A
55	205/55ZR16	91 W	5.5-6.5-7.5	9.8	7.8	24.9	632	8.4	214	1356	615	44	300	835	420/A/A
	215/55ZR17	94 W	6.0-7.0-7.5	9.8	7.8	26.3	668	8.9	226	1477	670	44	300	790	420/A/A
	225/55ZR17	101 W XL	6.0-7.0-8.0	9.8	7.8	26.8	680	9.2	233	1819	825	49	340	776	420/A/A
	235/55ZR17	103 W XL	6.5-7.5-8.5	9.8	7.8	27.2	690	9.6	245	1929	875	49	340	765	420/A/A
60	235/55R18	104 V XL	6.5-7.5-8.5	9.8	7.8	28.1	715	9.6	245	1984	900	49	340	738	420/A/A
	215/60R16	99 H XL	6.0-6.5-7.5	10.5	8.3	26.1	664	8.7	221	1709	775	49	340	794	420/A/A
	225/60R16	98 H	6.0-6.5-8.0	10.5	8.3	26.6	676	9.0	228	1653	750	44	300	780	420/A/A

Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.



D8 DESERT STORM

PERFORMANCE SUV TIRE



Central longitudinal continuous trunk-like rid for straight line stability and high-speed controllability

Twin longitudinal grooves with 3-D groove walls to resist hydroplaning in wet road and reduce noise level.

WIDE ROLLING TREAD WIDTH OPTIMIZED BY COMPUTER SIMULIZATION

*Innovative 3-D groove profile combined with a downstream line design enhances water evacuation and rubber-to-road contact.

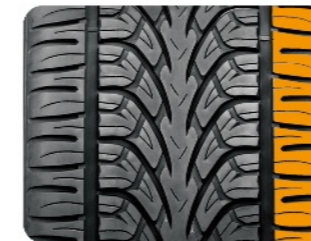
*Unique 2-in-1 pitch alignment reduces noise levels at high speeds.

Large contact between tire/road

Ultra-stiff bead filler solid center rib



Optimal high-speed stability
Confident Cornering
Superior traction



- Variable pitch pattern and optimized sipe distribution, with 2-in-1 pitch alignment, minimize noise generation, contributing to quiet and comfortable ride.
- Convex & concave shoulder grooves provide stability while cornering in any direction, lowering noise level.
- Silicon compound, with sipe distribution, promotes grip in braking and handling especially in wet conditions.

SUV UHP ALL SEASON

With state-of-the-art and aggressive appearance, Desert Storm D8 offers civilized highway performance as it delivers the sports-car like handling that unleashes the the potential of sport trucks in wet and dry conditions.

Series	25、30、35、40、45、55	
Rim inches	20、22、24、26、28	
Speed rate	V、W、Y	
Typical vehicle matches	Dodge Durango, Ram Lexus LX470 Land Rover Nissan Pathfinder Hummer,H2,H3	Ford Expedition,F-150 pickups Mercedes-Benz,ML320,ML430 BMW X5 Jeep Grand Cherokee

Series	Size	LI SI	Approved Rim	Tread Depth 1/32" MM	Overall Diameter inch mm	Section Width inch mm	Max.Load lbs kg	Max.Pressure psi kPa	Revs Per Mile	UTQG
20	275/20R30	112 V XL	10.0	11.1 8.8	34.3 872	11.3 288	2469 1120	49 340	605	460/A/A
	285/25ZR22	95 Y XL	10.5	9.8 7.8	27.6 701	11.6 295	1521 690	49 340	753	460/A/A
	275/25ZR24	95 W XL	10.0	11.1 8.8	29.4 748	11.1 283	1521 690	49 340	705	460/A/A
25	275/25ZR26	98 W XL	10.0	11.0 8.7	31.5 799	11.1 283	1653 750	49 340	660	460/A/A
	275/25ZR28	110W XL	10.0	11.0 8.7	33.5 850	11.1 283	2337 1060	49 340	621	460/A/A
	295/25ZR28	103 Y XL	10.0- 10.5 -11.0	11.1 8.8	33.8 859	11.9 301	1929 875	49 340	614	460/A/A
	275/25ZR30	108 W XL	10.0	10.2 8.1	35.3 896	11.4 289	2205 1000	49 340	589	460/A/A
	305/25ZR32	108 W XL	10.5- 11.0 -11.5	11.0 8.7	38.0 965	12.3 313	2205 1000	49 340	547	460/A/A
30	255/30ZR24	97 W XL	8.5- 9.0 -9.5	10.1 8.0	30.1 764	10.2 260	1609 730	49 340	690	460/A/A
	275/30ZR24	110 W XL	9.5	11.0 8.7	30.6 776	10.9 278	2337 1060	49 340	680	460/A/A
	275/30ZR24	101 W XL	9.5	11.0 8.7	30.6 776	10.9 278	1819 825	49 340	680	460/A/A
	255/30ZR26	99 W XL	8.5- 9.0 -9.5	10.1 8.0	32.1 815	10.2 260	1709 775	49 340	647	460/A/A
	295/30ZR26	107 W XL	10.0- 10.5 -11.0	11.1 8.8	33.0 839	11.9 301	2149 975	49 340	629	460/A/A
	305/30ZR26	109 W XL	10.5- 11.0 -11.5	11.0 8.7	33.2 844	12.3 313	2271 1030	49 340	625	460/A/A
35	315/35ZR20	110 W XL	10.5- 11.0 -12.5	11.1 8.8	28.7 728	12.6 320	2337 1060	49 340	725	460/A/A
	265/35ZR22	102 W XL	9.0- 9.5 -10.5	10.1 8.0	29.3 745	10.7 271	1874 850	49 340	708	460/A/A
	285/35ZR22	106 W XL	9.5- 10.0 -11.0	11.0 8.7	29.9 759	11.4 290	2094 950	49 340	695	460/A/A
	295/35R24	110 V XL	10.0- 10.5 -11.5	11.0 8.7	32.1 816	11.9 301	2337 1060	49 340	646	460/A/A
40	305/35R24	112 V XL	10.0- 11.0 -12.0	11.0 8.7	32.4 824	12.3 313	2469 1120	49 340	640	460/A/A
	275/40ZR20	106 W XL	9.0- 9.5 -11.0	11.0 8.7	28.7 728	10.9 278	2094 950	49 340	725	460/A/A
	265/40R22	106 V XL	9.0- 9.5 -10.5	11.0 8.7	30.4 771	10.7 271	2094 950	49 340	684	460/A/A
45	305/40R22	114 V XL	10.0- 11.0 -12.0	11.0 8.7	31.6 803	12.3 313	2601 1180	49 340	657	460/A/A
	245/45ZR20	103 W XL	7.5- 8.0 -9.0	9.8 7.8	28.7 728	9.6 243	1929 875	49 340	725	460/A/A
	275/45R20	110 V XL	8.5- 9.0 -10.5	11.0 8.7	29.8 756	10.7 273	2337 1060	49 340	698	460/A/A
	275/45R22	112 V XL	8.5- 9.0 -10.5	10.2 8.1	31.8 807	10.7 273	2469 1120	49 340	654	460/A/A
	285/45R22	114 V XL	9.0- 9.5 -10.5	11.0 8.7	32.1 815	11.2 285	2601 1180	49 340	647	460/A/A
55	305/45R22	118 V XL	9.5- 10.0 -11.5	11.0 8.7	32.8 833	11.9 303	2910 1320	49 340	633	460/A/A
	275/55R20	117 V XL	7.5- 8.5 -9.5	11.1 8.8	31.9 810	11.2 284	2833 1285	49 340	651	460/A/A

Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.



DV2

COMMERCIAL
VAN TIRE



TRACTIVE LONGITUDINAL GROOVES

Improving hydroplaning resistance while enhancing the tire traction.



STAGGERED SIPINGS

Improve braking ability.



COMPACT SHOULDER

Enhance the shoulder stability, optimize high-speed cornering performance.



HEAT-RELEASING SHOULDER

Continuous "S" groove to improve heat-releasing ability.

Series	Size	LI	SI	PR	Approved Rim	Tread Depth		Overall Diameter		Section Width		Max. Load ^S		Max. Load ^D		Max. Pressure		Revs Per Mile	
						1/32"	MM	inch	mm	inch	mm	lbs	kg	lbs	kg	psi	kPa		
65	205/65R15C	102	100	T	8PR/LRD	5.5- 6.0 -6.5	12.6	10	25.5	647	8.2	209	1874	850	1764	800	55	375	815
	195/65R16C	104	102	T	8PR/LRD	5.5- 6.0	11.6	9.2	26.0	660	7.9	201	1984	900	1874	850	69	475	799
	205/65R16C	107	105	T	8PR/LRD	5.5- 6.0 -6.5	12.2	9.7	26.5	672	8.2	209	2149	975	2039	925	69	475	785
	215/65R16C	109	107	T	8PR/LRD	6.0- 6.5 -7.0	12.2	9.7	27.0	686	8.7	221	2271	1030	2149	975	69	475	769
	225/65R16C	112	110	T	8PR/LRD	6.0- 6.5 -7.0	12.2	9.7	27.5	698	9.0	228	2469	1120	2337	1060	69	475	756
70	235/65R16C	115	113	T	8PR/LRD	6.5- 7.0 -7.5	12.2	9.7	28.0	712	9.4	240	2679	1215	2535	1150	69	475	741
	195/70R15C	104	102	S	8PR/LRD	5.0-5.5- 6.0	11.6	9.2	25.8	655	7.9	201	1984	900	1874	850	69	450	805
	205/70R15C	106	104	S	8PR/LRD	5.5- 6.0 -6.5	11.6	9.2	26.3	669	8.2	209	2094	950	1984	900	69	450	789
75	225/70R15C	112	110	S	8PR/LRD	6.0- 6.5 -7.0	12.9	10.2	27.4	697	9.0	228	2469	1120	2337	1060	69	450	757
	185/75R16C	104	102	S	6PR/LRC	5.0 -5.5-6.0	11.6	9.2	26.9	684	7.2	184	1984	900	1874	850	69	475	771
	215/75R16C	113	111	S	8PR/LRD	5.5- 6.0 -7.0	12.9	10.2	28.7	728	8.5	216	2535	1150	2403	1090	69	475	725

Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.



**WINTER
WD1**

NON STUDED
SNOW PASSENGER CAR
RADIAL TIRE



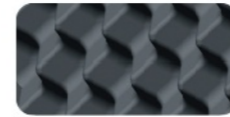
"V" shape tread pattern design

Improved water evacuation for outstanding wet handling, decrease hydroplaning and noise.



High density wavy siping

Greatly increase snow traction, guarantee perfect steering. Optimize the direction of sipes, guarantee that each sipe can receive maximum force while contacting road surface, insure safe driving.



3-D sipes design

3-D sipes with their sipe spacers on the inside of the tire keep the sipes open when they pass through the ground contact area. This makes the sipe fill up with more snow and boosts the amount of extra grip on roads in snow conditions.



Stiff shoulder blocks design

Guarantee cornering stability, improve driving comfort.

Series	Size	LI SI	Approved Rim	Tread Depth 1/32" MM		Overall Diameter inch mm		Section Width inch mm		Max.Load lbs kg		Max.Pressure psi kPa		Revs Per Mile
70	165/70R14	81 T	4.0- 5.0 -5.5	10.7	8.5	23.1	588	6.7	170	1019	462	44	300	897
	175/70R14	88 T XL	4.5-5.0 -6.0	10.7	8.5	23.7	602	7.0	177	1235	560	49	340	876
65	175/65R14	82 T	5.0-5.5 -6.0	10.7	8.5	23.0	584	7.0	177	1047	475	44	300	903
	185/65R14	86 T	5.0- 5.5 -6.5	10.7	8.5	23.5	596	7.4	189	1168	530	44	300	885
	185/65R15	88 T	5.0- 5.5 -6.5	10.7	8.5	24.4	621	7.4	189	1235	560	44	300	850
	195/65R15	91 H	5.5- 6.0 -7.0	10.7	8.5	25.0	635	7.9	201	1356	615	44	300	831
	215/65R16	98 H	6.0- 6.5 -7.5	10.7	8.5	27.0	686	8.7	221	1653	750	44	300	769
60	185/60R14	82 H	5.0- 5.5 -6.5	10.7	8.5	22.8	578	7.4	189	1047	475	44	300	913
	185/60R15	84 H	5.0- 5.5 -6.5	10.7	8.5	23.7	603	7.4	189	1102	500	44	300	875
	195/60R15	88 H	5.5- 6.0 -7.0	10.7	8.5	24.2	615	7.9	201	1235	560	44	300	858
	205/60R16	96 H XL	5.5- 6.0 -7.5	10.7	8.5	25.7	652	8.2	209	1565	710	49	340	809
	215/60R16	99 H XL	6.0- 6.5 -7.5	10.7	8.5	26.1	664	8.7	221	1709	775	49	340	794
55	195/55R15	85 H	5.5- 6.0 -7.0	10.7	8.5	23.4	595	7.9	201	1135	515	44	300	887
	205/55R16	91 H	6.0- 6.5 -7.5	10.7	8.5	24.9	632	8.4	214	1356	615	44	300	835
	215/55R16	97 H XL	6.0- 7.0 -7.5	10.7	8.5	25.3	642	8.9	226	1609	730	49	340	822
45	225/45R17	94 V XL	7.0- 7.5 -8.5	10.7	8.5	25.0	634	8.9	225	1477	670	49	340	832

Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.



THREE WIDE LONGITUDINAL GROOVES

Three wide longitudinal grooves can highly evacuate water to enhance steering, braking and hydroplaning resistance.



LARGE QUANTITY OF SILICA IN TREAD

Large quantity of silica in tread is formulated to maintain its grip, braking and traction under extreme cold-winter conditions including snow and ice.



STIFF SHOULDER BLOCKS DESIGN

Guarantee cornering stability, improve driving comfort.



RUBBER FOAM TECHNOLOGY

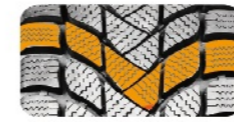
Tread formula applies the technology of rubber foam. Those tiny bubbles in the rubber allow the rubber to decrease hardness in low temperature, maintain flexibility, increase the ground contact area and significantly improve the grip.

Series	Size	LI	SI	PR	Approved Rim	Tread Depth		Overall Diameter		Section Width		Max. Load ^S		Max. Load ^D		Max. Pressure		Revs Per Mile	
						1/32"	MM	inch	mm	inch	mm	lbs	kg	lbs	kg	psi	kPa		
70	195/70R15C	104	102	S	8PR/LRD	5.0-5.5- 6.0	12.5	9.9	25.8	655	7.9	201	1984	900	1874	850	65	450	805
	205/70R15C	106	104	S	8PR/LRD	5.5- 6.0 -6.5	12.5	9.9	26.3	669	8.2	209	2094	950	1984	900	65	450	789
	215/70R15C	109	107	S	8PR/LRD	5.5- 6.5 -7.0	12.5	9.9	26.9	683	8.7	221	2271	1030	2149	975	65	450	772
	225/70R15C	112	110	S	8PR/LRD	6.0- 6.5 -7.0	13.0	10.3	27.4	697	9.0	228	2469	1120	2337	1060	65	450	757
65	195/65R16C	104	102	T	8PR/LRD	5.5- 6.0	12.5	9.9	26.0	660	7.9	201	1984	900	1874	850	69	475	799
	205/65R16C	107	105	T	8PR/LRD	5.5- 6.0 -6.5	12.5	9.9	26.5	674	8.2	209	2149	975	2039	925	69	475	783
	215/65R16C	109	107	T	6PR/LRC	6.0- 6.5 -7.0	12.5	9.9	27.0	686	8.7	221	2271	1030	2149	975	69	475	769
	225/65R16C	112	110	T	8PR/LRD	6.0- 6.5 -7.0	13.0	10.3	27.5	698	9.0	228	2469	1120	2337	1060	69	475	756
	235/65R16C	115	113	S	8PR/LRD	6.5- 7.0 -7.5	13.0	10.3	28.0	712	9.4	240	2679	1215	2535	1150	69	475	741

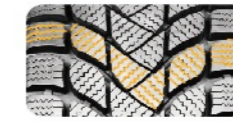
Bold designates measuring rim width. These data can be changed by manufacturer without prior notice.

**WINTER
WD2**

NON STUDED
SNOW COMMERCIAL TIRE



"V" shape tread pattern design
Improved water evacuation for outstanding wet handling, decrease hydroplaning and noise.



High density wavy siping
Greatly increase snow traction, guarantee perfect steering. Optimize the direction of sipes, guarantee that each sipe can receive maximum force while contacting road surface, insure safe driving.



3-D sipes design
3-D sipes with their sipe spacers on the inside of the tire keep the sipes open when they pass through the ground contact area. This makes the sipe fill up with more snow and boosts the amount of extra grip on roads in snow conditions.



Stiff shoulder blocks design
Guarantee cornering stability, improve driving comfort.

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65	155/65R14	75 T	4.5 -5.0-5.5	10.3	8.2	22.0	558	6.2	157	853	387	44	300	945
60	185/60R15	88 H XL	5.0- 5.5 -6.5	10.7	8.5	23.7	603	7.4	189	1235	560	49	340	875
55	195/55R16	87 H	5.5- 6.0 -7.0	10.7	8.5	24.4	620	7.9	201	1201	545	44	300	851
	215/55R17	98 H XL	6.0- 7.0 -7.5	10.7	8.5	26.3	668	8.9	226	1653	750	49	340	790
	225/55R17	97 H	6.0- 7.0 -8.0	10.7	8.5	26.8	680	9.2	233	1609	730	44	300	776
50	205/50R17	93 H XL	5.5- 6.5 -7.5	10.7	8.5	25.1	638	8.4	214	1433	650	49	340	827

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**WINTER
WD3**

NON STUDED
SNOW PASSENGER CAR
RADIAL TIRE