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MARSHAL TIRE

2024-2025

MARSHAL TIRE PATTERN DIGEST

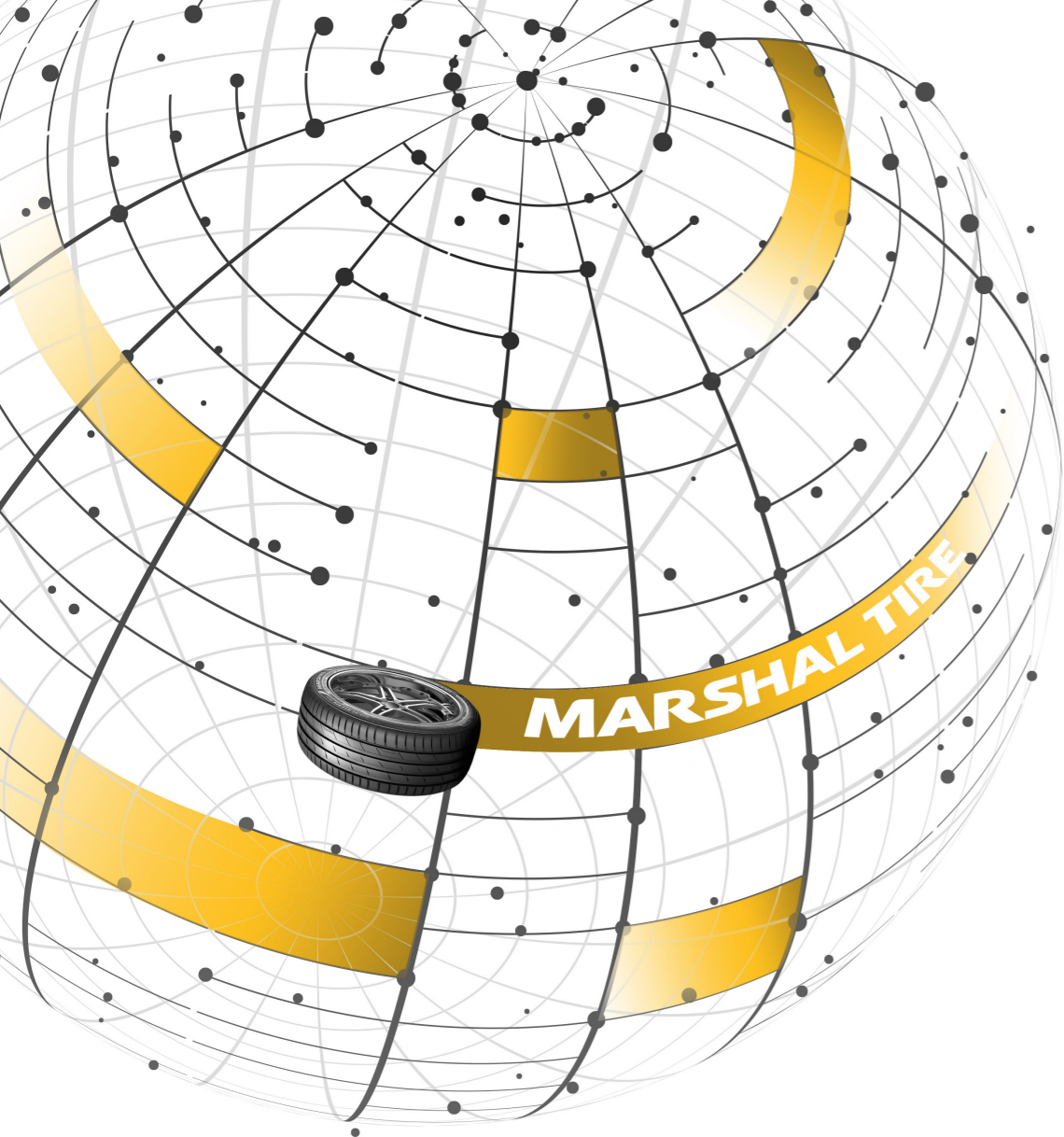


# *Pattern Digest*

Passenger Car  
LT(SUV, VAN, Light Truck)

MARSHAL TIRE

MARSHAL TIRE



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2024-2025 MARSHAL TIRE PATTERN DIGEST

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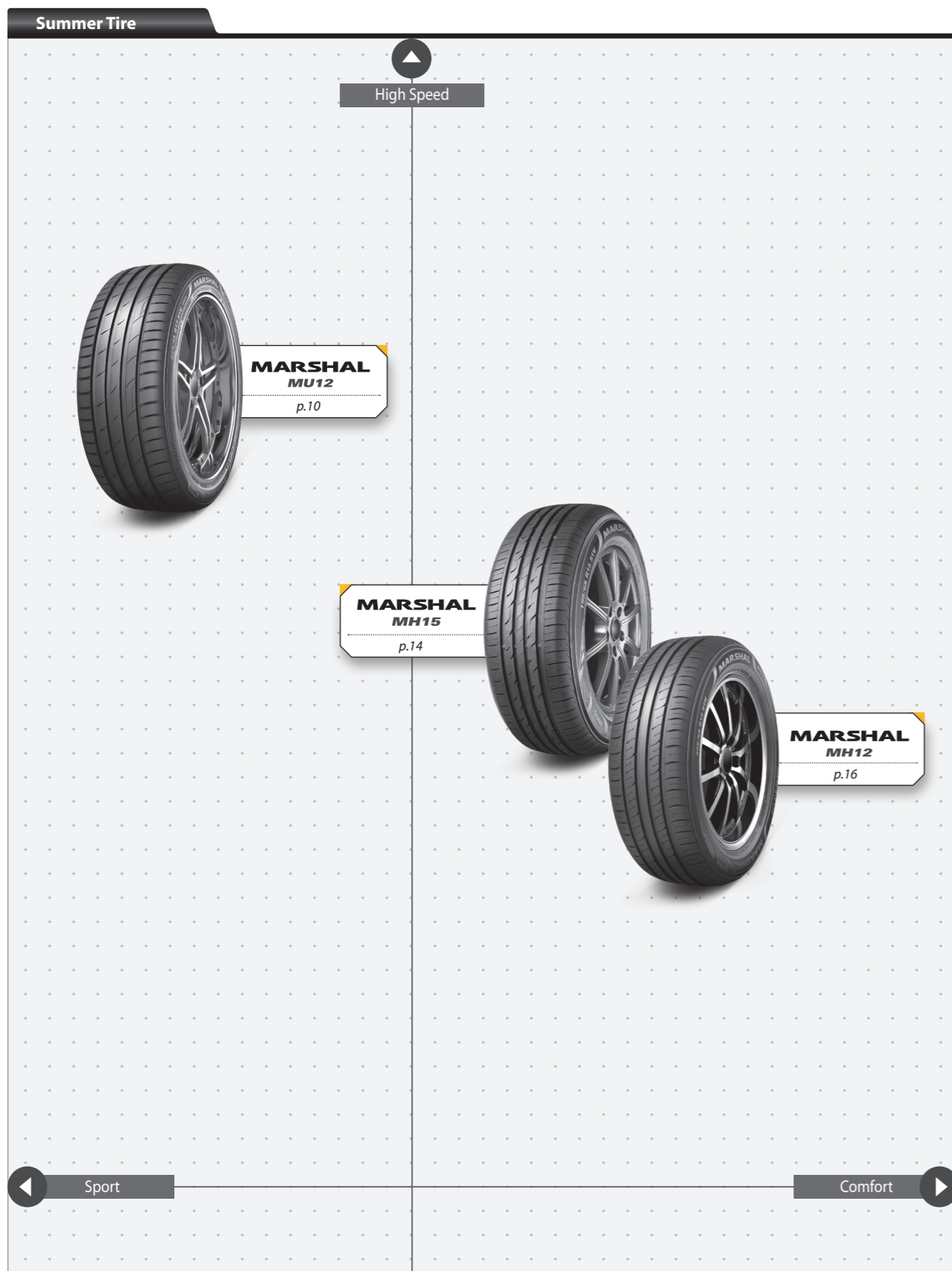
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# POSITIONING MAP

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



# PRODUCT LINE UP

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme

■ The following data can be changed by the manufacturer without prior notice and differently applied by regions.



## Ultra High Performance



p.10 **MARSHAL MU12**

## High Performance



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All Season



## High Performance



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Winter

## Alpine



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# SIZE LIST

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



Size	MU12	MH15	MH12	MH22	MW51	MW31	[EU] w/31	I'ZEN KW31	
20"	275/35R20	102Y XL							
	245/35R20	95Y XL							
	245/40R20	99Y XL							
19"	295/30R19	100Y XL							
	275/35R19	100Y XL							
	275/40R19	105Y XL			105V XL				
	255/30R19	91Y XL							
	255/35R19	96Y XL			96V XL				
	255/40R19	100Y XL			100V XL				
	245/35R19	93Y XL					93T XL		
	245/40R19	98Y XL			98V XL		98T XL		
	245/45R19	102Y XL			102V XL		102T XL		
	235/35R19	91Y XL			91W XL		91T XL		
	225/35R19	88Y XL							
	225/40R19	93Y XL					93T XL		
	225/45R19	96Y XL					96T XL		
	18"	275/40R18	103W XL						
		265/35R18	97Y XL						
265/60R18				110H					
255/35R18		94Y XL							
255/45R18		103Y XL							
245/35R18		92Y XL							
245/40R18		97Y XL			97W XL		97T XL		
245/45R18		100Y XL, 100W XL			100V XL		100T XL		
245/50R18		100W							
245/55R18		103V							
235/40R18		95Y XL			95W XL		95T XL		
235/45R18		98Y XL			98V XL		98T XL		
235/50R18		101Y XL			101V XL	101V XL	101T XL	101R XL	
235/55R18					104V XL				

XL : Extra Load



Size	MU12	MH15	MH12	MH22	MW51	MW31	[EU] w/31	I'ZEN KW31
17"	235/65R18	110V XL						
	225/40R18	92Y XL, 92W XL, 88Y(XRP)			92V XL		92T XL	92R XL
	225/45R18	95Y XL		95V XL	95V XL		95T XL	95R XL
	225/50R18	95W					99T XL	
	225/60R18	104H XL						
	215/40R18	89W XL						
	215/45R18	93Y XL						
	215/55R18	99V XL						
	245/40R17	95Y XL						
	245/45R17	99Y XL, 95W					99T XL	
	235/45R17	97Y XL, 97W XL					97T XL	
	235/55R17	103W XL, 99W			103V XL	103V XL	99H	103R XL, 99R
	235/65R17						108T XL	
	225/45R17	94Y XL, 91Y, 94W XL, 91W, 91V	94W XL		94V XL	94V XL	94T XL	94R XL
	225/50R17	98Y XL, 98W XL			98V XL	98V XL	98T XL	98R XL
225/55R17	101W XL				101V XL	101T XL	101R XL	
225/60R17				99H				
225/65R17				102V				
215/40R17	87Y XL							
215/45R17	91Y XL, 91W XL	91V XL		91V XL	91V XL	91T XL	91R XL	
215/50R17	95Y XL, 95W XL, 91W			95V XL		95H XL	95T XL	
215/55R17	94W			98V XL	98V XL	98T XL	98R XL	
215/60R17		96V		96H				
215/65R17		99V						
205/40R17	84Y XL, 84W XL							
205/45R17	88Y XL, 88W XL, 84V(XRP)			88V XL	84V	88T XL		
205/50R17	93W XL			93V XL	93V XL	93T XL	93R XL	
205/55R17		95V XL		95V XL	95V XL	95T XL		
16"	235/60R16			100H			104T XL	100R
	225/55R16	95W				99H XL	99T XL	

XL : Extra Load

# SIZE LIST

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



	MARSHAL MU12	MARSHAL MH15	MARSHAL MH12	MARSHAL MH22	MARSHAL MW51	MARSHAL MW31	MARSHAL [EU] w/31	I'ZEN KW31
	Summer		EU All-Season		Winter Alpine		Arctic Stud	Arctic Studless
16"	225/60R16						102T XL	
	215/45R16	90V XL				90V XL		
	215/55R16	97W XL, 93W, 93V				97H XL	97T XL	97R XL
	215/60R16	95V	95V	95H		99H XL	99T XL	99R XL
	215/65R16	98H	98H	98H		98H	98T	
	205/45R16	87W XL		83H				
	205/50R16	87W						
	205/55R16	91W, 94V XL, 91V	94W XL, 91V, 91H	91H	94V XL	91H, 91T	91T, 94T XL	91R
	205/60R16		92V, 92H	92H, 96V XL	92H	96H XL	96T XL, 92T	96R XL
	205/65R16						99T XL	95R
	195/45R16	84V XL						
	195/50R16	88V XL				88H XL		
	195/55R16	87V, 87H		87H	87H	87H	91T XL	91R XL
	195/60R16			89H	89H	89H		
	185/50R16	81V						
	185/55R16			87V XL				
15"	235/75R15						109T XL	
	215/65R15		96H				96T	
	215/70R15						98T	
	205/55R15	88V						
	205/60R15		91V					
	205/65R15		94H	94H		94H	94T	99R XL
	205/70R15						96T	
	195/50R15	86V XL			82V	82H		
	195/55R15	85V			85H	85H	89T XL	
	195/60R15		88H	88H, 88V	88H	88T	88T	88R
	195/65R15		91V, 91H, 95T XL	91H	91H	91T, 91H	91T, 95T XL	91R
	185/55R15	82V			86H XL	86H XL	82T	86R XL
	185/60R15		88H XL, 84H	84H	88H XL	88T XL	88T XL	88R XL
	185/65R15		88H, 88T	88H	88H	88T	88T	92R XL

XL : Extra Load



	MARSHAL MU12	MARSHAL MH15	MARSHAL MH12	MARSHAL MH22	MARSHAL MW51	MARSHAL MW31	MARSHAL [EU] w/31	I'ZEN KW31
	Summer		EU All-Season		Winter Alpine		Arctic Stud	Arctic Studless
	175/55R15			77T				
	175/60R15			81H				
	175/65R15	84H	84H	84T		84T	88T XL	
	165/55R15	75V						
	165/60R15			81T XL				
	165/65R15			81T		81T		
14"	205/60R14			88H				
	185/60R14	82H	82H			82T	82T	
	185/65R14	86H	86H	86H		86T	86T	
	185/70R14	88H	88H			88T	88T	
	175/65R14	82H, 82T	82T	82T		82T	82T	
	175/70R14	88T XL	84T			84T	84T	
	175/80R14		88T					
	165/55R14	72V	72H					
	165/60R14		75H	75H		79T XL		
	165/65R14	79H	79T	79T		79T	79T	
	165/70R14	81T	81T	81T		81T	81T	
	155/65R14	75T		75T		75T	75T	
13"	185/60R13			80H				
	185/70R13			86T				
	175/60R13			77H				
	175/70R13		82T	82T		82T	82T	
	165/65R13			77H				
	165/70R13			79T				
	165/80R13			83T			83T	
	155/65R13			73T				
	155/70R13	75T		75T		75T	75Q	
	155/80R13	79T		79T		79T	79Q	
	145/80R13			75T				
	135/80R13			70T				

XL : Extra Load



PC

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



# MARSHAL MU12

Max Performance



English

- Safe handling & Braking Performance
- 4 wide grooves improve water evacuation on wet road



Español

- Manejo seguro y rendimiento al frenar
- 4 Surcos amplios que mejoran la expulsión del agua en caminos húmedos



Português

- Condução segura e alto desempenho em frenagens.
- 4 sulcos largos melhoram a drenagem da água em pistas molhada



Français

- Manœuvrabilité et freinage en toute sécurité
- 4 rainures larges permettant une excellente évacuation de l'eau sur sol mouillé



Summer



Handling



Dry Braking



Wet Braking

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	UTQG	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch					

Black Sidewall

17"	225/55 ZR17 XL 101W	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	8.1	10.2	313	2074	320 AA A	-
	215/40 ZR17 XL 87Y	7.5	7.0 - 8.5	3.4	50	545	1201	218	8.6	604	23.8	7.6	9.6	283	1842	320 AA A	-
	215/45 ZR17 XL 91Y	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	7.6	9.6	292	1909	320 AA A	-
	215/45 ZR17 XL 91W	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	7.6	9.6	292	1909	320 AA A	-
	215/50 ZR17 XL 95Y	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	7.6	9.6	300	1976	320 AA A	-
	215/50 ZR17 XL 95W	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	7.6	9.6	300	1976	320 AA A	-
	215/50 ZR17 91W	7.0	6.0 - 7.5	3.5	51	615	1356	226	8.9	648	25.5	7.6	9.6	300	1976	320 AA A	-
	215/55 ZR17 94W	7.0	6.0 - 7.5	3.5	51	670	1477	226	8.9	668	26.3	7.8	9.8	308	2037	320 AA A	-
	205/40 ZR17 XL 84Y	7.5	7.0 - 8.0	3.4	50	500	1102	212	8.3	596	23.5	7.6	9.6	280	1818	320 AA A	-
	205/40 ZR17 XL 84W	7.5	7.0 - 8.0	3.4	50	500	1102	212	8.3	596	23.5	7.6	9.6	280	1818	320 AA A	-
205/45 ZR17 XL 88Y	7.0	6.5 - 7.5	3.4	50	560	1235	206	8.1	616	24.3	7.6	9.6	288	1879	320 AA A	-	
205/45 ZR17 XL 88W	7.0	6.5 - 7.5	3.4	50	560	1235	206	8.1	616	24.3	7.6	9.6	288	1879	320 AA A	-	
205/50 ZR17 XL 93W	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	8.1	10.2	296	1946	320 AA A	-	
16"	225/55 ZR16 95W	7.0	6.0 - 8.0	3.5	51	690	1521	233	9.2	654	25.7	7.8	9.8	300	1995	320 AA A	-
	215/55 ZR16 XL 97W	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	7.8	9.8	295	1958	320 AA A	-
	215/55 ZR16 93W	7.0	6.0 - 7.5	3.5	51	650	1433	226	8.9	642	25.3	7.8	9.8	295	1958	320 AA A	-
	215/55 R16 93V	7.0	6.0 - 7.5	3.5	51	650	1433	226	8.9	642	25.3	7.8	9.8	295	1958	320 AA A	-
	205/45 ZR16 XL 87W	7.0	6.5 - 7.5	3.4	50	545	1201	206	8.1	590	23.2	7.8	9.8	275	1800	320 AA A	-
	205/50 ZR16 87W	6.5	5.5 - 7.5	3.5	51	545	1201	214	8.4	612	24.1	7.8	9.8	283	1867	320 AA A	-
	205/55 R16 XL 94V	6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	7.8	9.8	291	1928	320 AA A	-
	205/55 ZR16 91W	6.5	5.5 - 7.5	3.5	51	615	1356	214	8.4	632	24.9	7.8	9.8	291	1928	320 AA A	-
	205/55 R16 91V	6.5	5.5 - 7.5	3.5	51	615	1356	214	8.4	632	24.9	7.8	9.8	291	1928	320 AA A	-
	195/45 R16 XL 84V	6.5	6.0 - 7.5	3.4	50	500	1102	195	7.7	582	22.9	8.1	10.2	272	1775	320 AA A	-
195/50 R16 XL 88V	6.0	5.5 - 7.0	3.4	50	560	1235	201	7.9	602	23.7	7.8	9.8	280	1836	320 AA A	-	
195/55 R16 87V	6.0	5.5 - 7.0	3.5	51	545	1201	201	7.9	620	24.4	7.8	9.8	287	1891	320 AA A	-	
195/55 R16 87H	6.0	5.5 - 7.0	3.5	51	545	1201	201	7.9	620	24.4	7.8	9.8	287	1891	320 AA A	-	
185/50 R16 81V	6.0	5.0 - 6.5	3.5	51	462	1019	194	7.6	592	23.3	7.8	9.8	276	1806	320 AA A	-	
15"	205/55 R15 88V	6.5	5.5 - 7.5	3.5	51	560	1235	214	8.4	607	23.9	7.4	9.3	279	1851	320 AA A	-
	195/50 R15 XL 86V	6.0	5.5 - 7.0	3.4	50	530	1168	201	7.9	577	22.7	7.8	9.8	267	1760	320 AA A	-
	195/55 R15 85V	6.0	5.5 - 7.0	3.5	51	515	1135	201	7.9	595	23.4	7.8	9.8	274	1815	320 AA A	-
	185/55 R15 82V	6.0	5.0 - 6.5	3.5	51	475	1047	194	7.6	585	23.0	7.8	9.8	270	1784	320 AA A	-

XL : Extra Load

XRP Run-flat

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	UTQG	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch					

Black Sidewall

18"	225/40 ZR18 88Y	8.0	7.5 - 9.0	3.5	51	560	1235	230	9.1	637	25.1	7.5	9.4	299	1943	320 AA A	o
17"	205/45 R17 84V	7.0	6.5 - 7.5	3.5	51	500	1102	206	8.1	616	24.3	7.5	9.4	288	1879	320 A A	o









Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



# MARSHAL MW51

## Winter Alpine



### English

- Excellent grip and stable cornering for driving in winter season
- 3-dimensional sipes for improved traction on snowy and icy roads
- Maximization of driving performance on snowy road through the pattern design of the best directional
- M+S and 3PMSF (3 Peak-Mountain-Snowflake) certified



### Español

- Excelente agarre y estabilidad para curvas en invierno
- 3 ranuras dimensionales para mejorar la tracción en carreteras con nieve y hielo
- Máximo rendimiento al manejar en caminos con nieve y hielo con este diseño direccional
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)



### Português

- Aderência excelente e curvas estáveis ao dirigir em inverno rigoroso
- Ranhuras tridimensionais para melhor tração em estradas nevadas e geladas
- Maximização do desempenho de condução em estradas de neve através do melhor desenho direccional
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)



### Français

- Tenue de route en virage exceptionnelle pour la conduite hivernale
- Lamelles 3D améliorant la traction sur neige comme sur glace
- Design directionnel maximisant la performance sur route enneigée
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)



Winter

Snow Handling

Snow Braking

Wet Braking

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Black Sidewall</b>																
19"	<b>275/40 R19 XL 105V</b>	9.5	9.0 - 11.0	3.4	50	925	2039	278	10.9	703	27.7	8.1	10.2	327	2144	o
	<b>255/35 R19 XL 96V</b>	9.0	8.5 - 10.0	3.4	50	710	1565	260	10.2	661	26.0	8.1	10.2	311	2016	o
	<b>255/40 R19 XL 100V</b>	9.0	8.5 - 10.0	3.4	50	800	1764	260	10.2	687	27.0	8.1	10.2	321	2095	o
	<b>245/40 R19 XL 98V</b>	8.5	8.0 - 9.5	3.4	50	750	1653	248	9.8	679	26.7	8.1	10.2	318	2071	o
	<b>245/45 R19 XL 102V</b>	8.0	7.5 - 9.0	3.4	50	850	1874	243	9.6	703	27.7	8.1	10.2	327	2144	o
	<b>235/35 ZR19 XL 91W</b>	8.5	8.0 - 9.5	3.4	50	615	1356	241	9.5	647	25.5	8.1	10.2	305	1973	o
18"	<b>245/40 ZR18 XL 97W</b>	8.5	8.0 - 9.5	3.4	50	730	1609	248	9.8	653	25.7	9.0	11.3	305	1992	o
	<b>245/45 R18 XL 100V</b>	8.0	7.5 - 9.0	3.4	50	800	1764	243	9.6	677	26.7	8.6	10.8	314	2065	o
	<b>235/40 ZR18 XL 95W</b>	8.5	8.0 - 9.5	3.4	50	690	1521	241	9.5	645	25.4	8.1	10.2	302	1967	o
	<b>235/45 R18 XL 98V</b>	8.0	7.5 - 9.0	3.4	50	750	1653	236	9.3	669	26.3	8.6	10.8	311	2040	o
	<b>235/50 R18 XL 101V</b>	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	8.6	10.8	321	2114	o
	<b>225/40 R18 XL 92V</b>	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	9.0	11.3	299	1943	o
17"	<b>225/45 R18 XL 95V</b>	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	8.6	10.8	307	2010	o
	<b>235/55 R17 XL 103V</b>	7.5	6.5 - 8.5	3.4	50	875	1929	245	9.6	690	27.2	9.0	11.3	317	2105	o
	<b>225/45 R17 XL 94V</b>	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	9.0	11.3	295	1934	o
	<b>225/50 R17 XL 98V</b>	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	9.0	11.3	304	2007	o
	<b>225/55 R17 XL 101V</b>	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	8.6	10.8	313	2074	o
	<b>215/45 R17 XL 91V</b>	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	9.0	11.3	292	1909	o
	<b>215/55 R17 XL 98V</b>	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	8.6	10.8	308	2037	o
	<b>205/45 R17 84V</b>	7.0	6.5 - 7.5	3.5	51	500	1102	206	8.1	616	24.3	8.6	10.8	288	1879	o
	<b>205/50 R17 XL 93V</b>	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	8.6	10.8	296	1946	o
	<b>205/55 R17 XL 95V</b>	6.5	5.5 - 7.5	3.4	50	690	1521	214	8.4	658	25.9	8.6	10.8	304	2007	o
16"	<b>225/55 R16 XL 99H</b>	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	654	25.7	8.6	10.8	300	1995	o

XL : Extra Load





PC

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



# MARSHAL ice w<sup>i</sup>31

Winter Arctic (Studdable)



English

- Maximised braking and handling performance under icy conditions by optimal stud arrangement
- Improved traction and braking performance on ice and snow through asymmetrical sipes
- Enhanced ice control performance by applying the latest compound mixing technology
- New stud design
- M+S and 3PMSF (3 Peak-Mountain-Snowflake) certified



Español

- Máximo rendimiento de frenado en hielo y buen rendimiento bajo condiciones de hielo por disposición óptima de los tacos
- Mejora en la tracción y el rendimiento de frenado sobre hielo y nieve gracias a laminillas 3D asimétricas
- Mejor rendimiento de control sobre hielo mediante la aplicación de la última tecnología en mezclado de compuestos
- Nuevo diseño de los tacos
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)



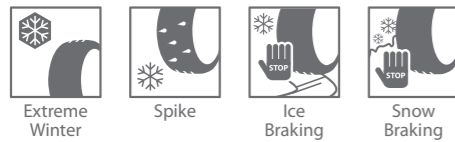
Português

- Frenagens e repostas ao volante em condições de gelo melhoradas pela melhor distribuição dos cravos
- Desempenho em frenagens e tração no gelo e neve melhorados pelas ranhuras assimétricas
- Melhor controle no gelo produzido pela aplicação da última tecnologia em compostos
- Novo design de cravo
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)



Français

- Freinage et tenue de route sur route glacée optimisés grâce un positionnement idéal des clous
- Traction et freinage améliorés sur glace comme sur neige grâce à de nouvelles lamelles 3D asymétriques
- Meilleur contrôle sur route gelée grâce à un composé de gomme alliant les dernières technologies
- Nouveau design des clous
- Marquage M+S et 3PMSF(3 Pics de Montagnes Symbole Flocon de neige)



Extreme Winter

Spike

Ice Braking

Snow Braking

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Black Sidewall</b>																
15"	<b>185/60 R15 XL 88T</b>	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	9.8	12.3	277	1839	-
	<b>185/65 R15 88T</b>	5.5	5.0 - 6.5	3.0	44	560	1235	189	7.4	621	24.4	9.8	12.3	284	1894	-
	<b>175/65 R15 XL 88T</b>	5.0	5.0 - 6.0	3.4	50	560	1235	177	7.0	609	24.0	9.8	12.3	279	1858	-
14"	<b>185/60 R14 82T</b>	5.5	5.0 - 6.5	3.0	44	475	1047	189	7.4	578	22.8	9.8	12.3	265	1763	-
	<b>185/65 R14 86T</b>	5.5	5.0 - 6.5	3.0	44	530	1168	189	7.4	596	23.5	9.8	12.3	272	1818	-
	<b>185/70 R14 88T</b>	5.5	4.5 - 6.0	3.0	44	560	1235	189	7.4	616	24.3	9.8	12.3	279	1879	-
	<b>175/65 R14 82T</b>	5.0	5.0 - 6.0	3.0	44	475	1047	177	7.0	584	23.0	9.8	12.3	267	1781	-
	<b>175/70 R14 84T</b>	5.0	4.5 - 6.0	3.0	44	500	1102	177	7.0	602	23.7	9.8	12.3	274	1836	-
	<b>165/65 R14 79T</b>	5.0	4.5 - 6.0	3.5	51	437	963	170	6.7	570	22.4	9.8	12.3	261	1739	-
13"	<b>155/65 R14 75T</b>	4.5	4.5 - 5.5	3.5	51	387	853	157	6.2	566	22.3	9.8	12.3	260	1726	-
	<b>175/70 R13 82T</b>	5.0	4.5 - 6.0	3.0	44	475	1047	177	7.0	576	22.7	9.8	12.3	261	1757	-
	<b>165/80 R13 83T</b>	4.5	4.0 - 5.5	3.0	44	487	1074	165	6.5	594	23.4	9.8	12.3	268	1812	-
	<b>155/70 R13 75Q</b>	4.5	4.0 - 5.0	3.0	44	387	853	157	6.2	548	21.6	9.8	12.3	250	1671	-
	<b>155/80 R13 79Q</b>	4.5	4.0 - 5.0	3.0	44	437	963	157	6.2	578	22.8	9.8	12.3	262	1763	-

XL : Extra Load

PC

Passenger Car  
Turismo  
Pneus de Turismo  
Tourisme



# I'ZEN KW31

## Winter Arctic



### English

- Maximized snow traction and braking performance
- Improved cornering and handling on snowy and icy roads in arctic conditions
- Snow/ice destroying snow buster with strong shoulder design
- M+S and 3PMSF (3 Peak-Mountain-Snowflake) certified



### Español

- Máximas prestaciones de tracción y frenada sobre nieve
- Excelentes prestaciones y manejabilidad tanto en superficies de nieve como de hielo
- Capacidad de evacuar nieve y hielo a través del dibujo de los hombros del neumático
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)



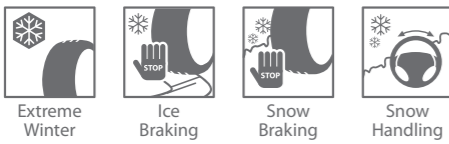
### Português

- Máxima tracção e excelente capacidade de travagem sobre a neve
- Excelente performance em curvas e em condições de neve e gelo
- Reforçado na área dos ombros para libertar gelo/neve
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)



### Français

- Excellente performance de traction et de freinage sur la neige
- Amélioration de comportements sur sol enneigé et glacé
- Capacité de chasser la neige et la glace aux épaules du pneu
- Marquage M+S et 3PMSF(3 Pics de Montagnes Symbole Flocon de neige)



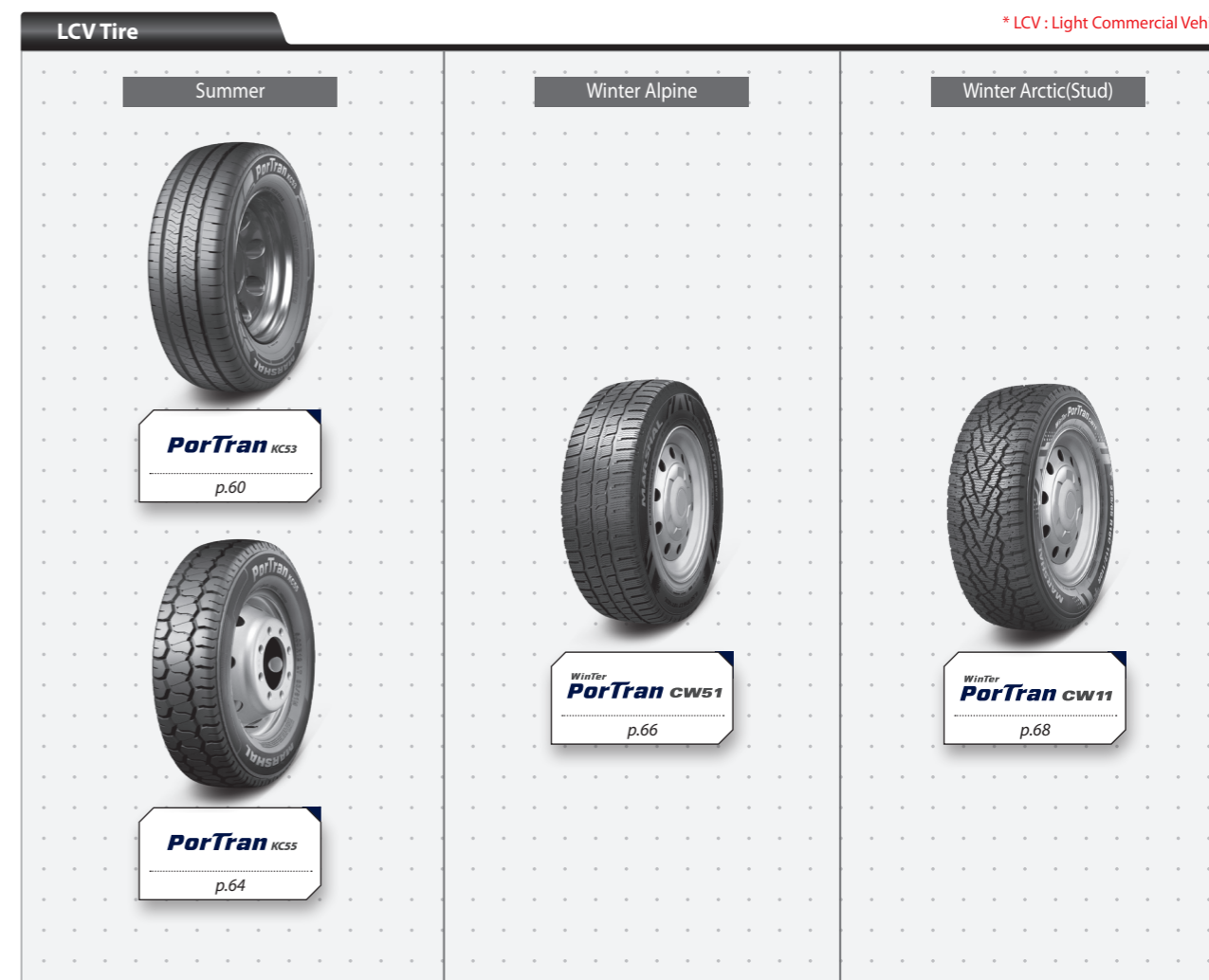
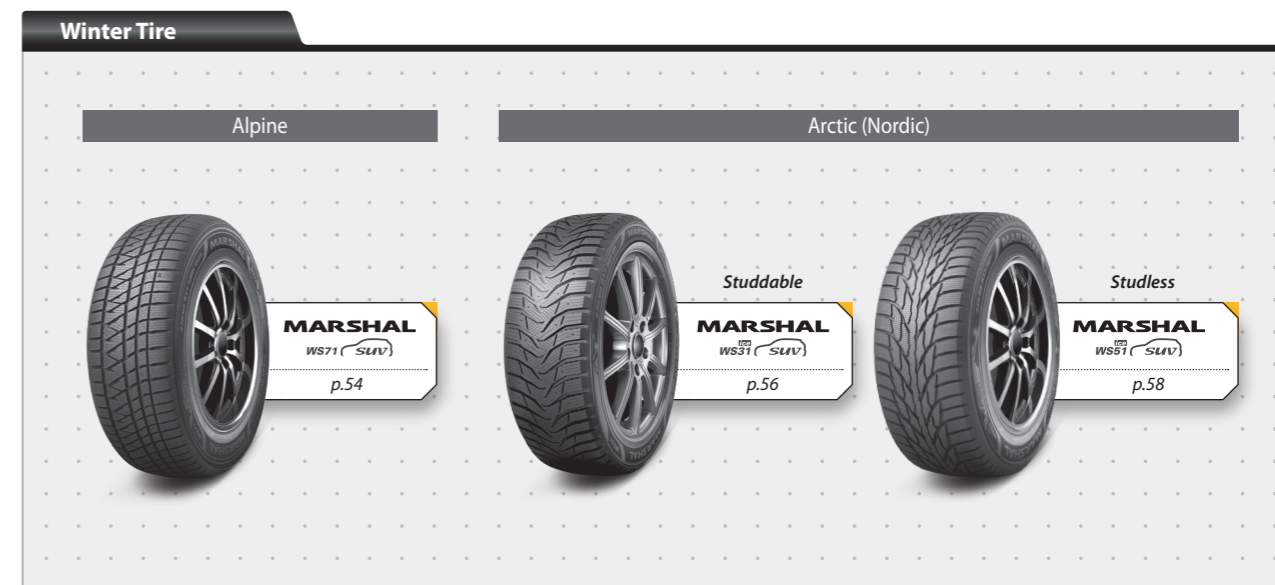
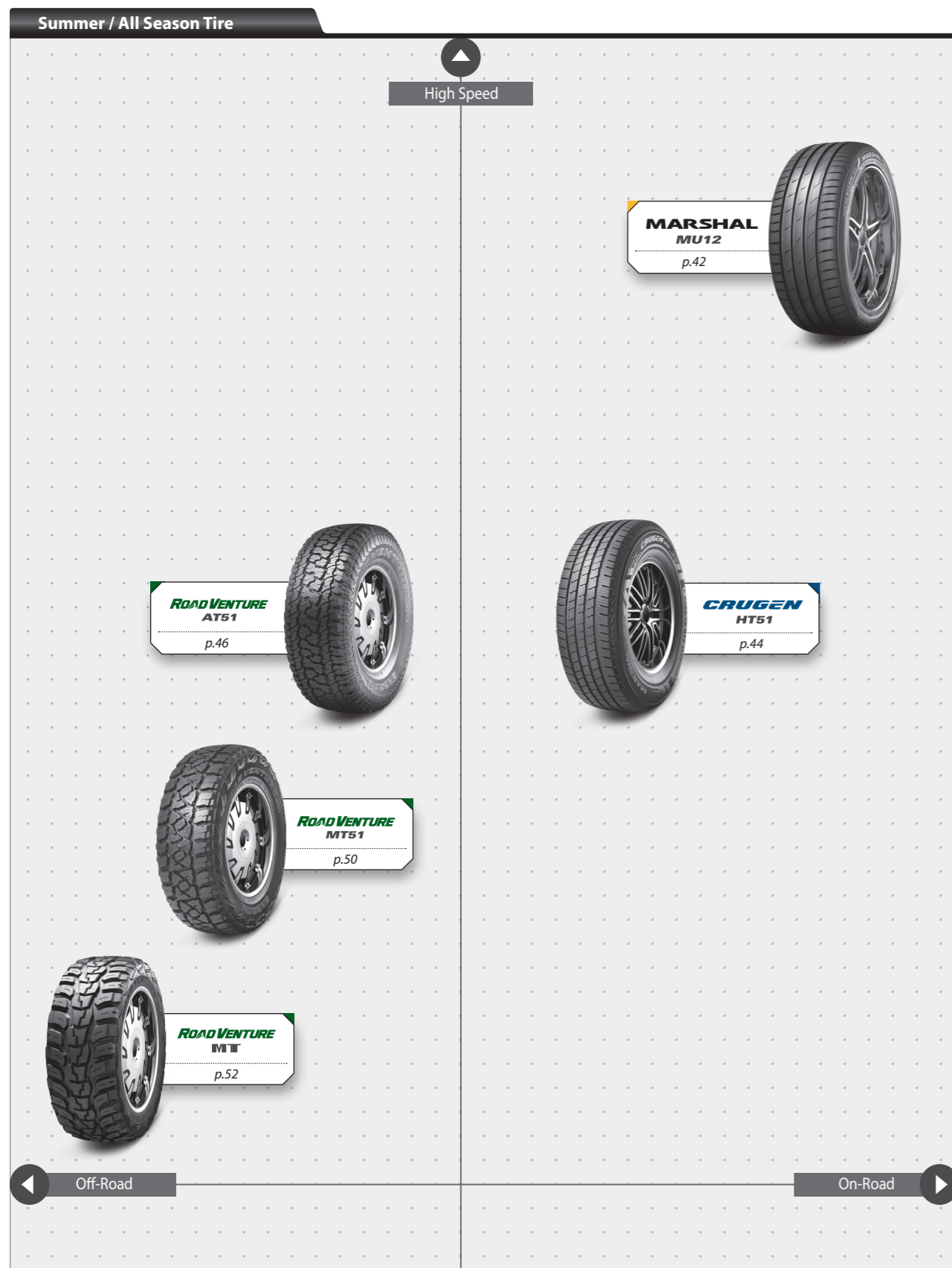
Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Black Sidewall</b>																
18"	<b>235/50 R18 XL 101R</b>	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	9.0	11.3	321	2114	○
	<b>225/40 R18 XL 92R</b>	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	9.0	11.3	299	1943	○
	<b>225/45 R18 XL 95R</b>	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	9.0	11.3	307	2010	○
17"	<b>235/55 R17 XL 103R</b>	7.5	6.5 - 8.5	3.4	50	875	1929	245	9.6	690	27.2	9.0	11.3	317	2105	○
	<b>235/55 R17 99R</b>	7.5	6.5 - 8.5	3.0	44	775	1709	245	9.6	690	27.2	9.0	11.3	317	2105	○
	<b>225/45 R17 XL 94R</b>	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	9.0	11.3	295	1934	○
	<b>225/50 R17 XL 98R</b>	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	9.0	11.3	304	2007	○
	<b>225/55 R17 XL 101R</b>	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	9.0	11.3	313	2074	○
	<b>215/45 R17 XL 91R</b>	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	8.8	11.1	292	1909	○
16"	<b>215/55 R17 XL 98R</b>	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	9.2	11.6	308	2037	○
	<b>205/50 R17 XL 93R</b>	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	9.0	11.3	296	1946	○
	<b>235/60 R16 100R</b>	7.0	6.5 - 8.5	3.0	44	800	1764	240	9.4	688	27.1	9.2	11.6	313	2098	-
	<b>215/55 R16 XL 97R</b>	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	9.0	11.3	295	1958	○
	<b>215/60 R16 XL 99R</b>	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	9.2	11.6	304	2025	-
	<b>205/55 R16 91R</b>	6.5	5.5 - 7.5	3.0	44	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	○
	<b>205/60 R16 XL 96R</b>	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	9.2	11.6	299	1989	-
15"	<b>205/65 R16 95R</b>	6.0	5.5 - 7.5	3.0	44	690	1521	209	8.2	672	26.5	9.2	11.6	307	2050	-
	<b>195/55 R16 XL 91R</b>	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	9.0	11.3	287	1891	○
	<b>205/65 R15 XL 99R</b>	6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	647	25.5	9.2	11.6	294	1973	-
	<b>195/60 R15 88R</b>	6.0	5.5 - 7.0	3.0	44	560	1235	201	7.9	615	24.2	9.2	11.6	282	1876	-
	<b>195/65 R15 91R</b>	6.0	5.5 - 7.0	3.0	44	615	1356	201	7.9	635	25.0	9.0	11.3	290	1937	-
	<b>185/55 R15 XL 86R</b>	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	9.0	11.3	270	1784	○
	<b>185/60 R15 XL 88R</b>	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	9.2	11.6	277	1839	-
	<b>185/65 R15 XL 92R</b>	5.5	5.0 - 6.5	3.4	50	630	1389	189	7.4	621	24.4	9.2	11.6	284	1894	-

XL : Extra Load



# POSITIONING MAP

Light Truck  
Camioneta  
Comerciais  
Camionnette



# PRODUCT LINE UP

Light Truck  
Camioneta  
Comerciais  
Camionnette

■ The following data can be changed by the manufacturer without prior notice and differently applied by regions.



## Ultra High Performance



p.42 **MARSHAL MU12**



## Highway Terrain



p.44 **CRUGEN HT51**



## All Terrain



p.46 **ROAD VENTURE AT51**



## Mud Terrain



p.50 **ROAD VENTURE MT51**



p.52 **ROAD VENTURE MT**



## Alpine



p.54 **MARSHAL WS71 (SUV)**

## Arctic Stud



p.56 **MARSHAL WS31 (SUV)**

## Arctic Studless



p.58 **MARSHAL WS51 (SUV)**



## LCV Summer



p.60 **PorTran KC53**



p.64 **PorTran KC55**



## LCV Winter Alpine



p.66 **WinTer PorTran CW51**

## LCV Winter Arctic Stud



p.68 **WinTer PorTran CW11**

# SIZE LIST

Light Truck  
Camioneta  
Comerciais  
Camionnette



Size	MARSHAL MU12	CRUGEN HT51	ROAD VENTURE AT51	ROAD VENTURE MT51	ROAD VENTURE MT	MARSHAL WS711 (SUV)	MARSHAL WS311 (SUV)	MARSHAL WS511 (SUV)	PorTran KC53	PorTran KC55	Winter PorTran CW51	Winter PorTran CW11
	Summer	All-Season	All-Terrain	Mud-Terrain		Winter Alpine	Winter Arctic Stud	Winter Arctic Studless	LCV Summer		LCV Winter Alpine	LCV Winter Arctic Stud
22"	275/40R22	108Y XL										
	275/50R22	111H										
21"	295/35R21	107Y XL				107V XL						
	295/40R21						111T XL					
	275/50R21	113V XL										
	275/45R21	110Y XL				110V XL						
	265/40R21					105V XL						
	255/40R21	102Y XL										
20"	33X12.50R20LT				114Q							
	315/35R20	110Y XL					110T XL					
	LT305/55R20		121/118R									
	295/40R20					110V XL						
	285/50R20	112V										
	LT285/55R20		122/119R									
	275/40R20	106Y XL										
	275/45R20	110Y XL							106T XL			
	P275/55R20		111T	111T								
	P275/60R20		114T	114T								
	LT275/65R20			126/123R								
	265/45R20	108Y XL					108V XL					
	265/50R20	111V XL							111T XL			
	255/45R20	105W XL					105V XL					
255/55R20	110W XL											
245/45R20	103V XL											
19"	285/45R19					111V XL						
	275/45R19					108V XL						
	265/50R19								110T XL			
	255/50R19	103W				107V XL	107T XL	107T XL				
	255/55R19	111Y XL		111T XL		111V XL	111T XL	111T XL				
	245/55R19		103T				107T XL	107T XL				
	235/50R19	103V XL										
	235/55R19	101V							105T XL	105T XL		
	225/55R19	99V										
							99H	99H				
18"	33X12.50R18LT				118Q							
	285/55R18	113V										
	285/60R18	116V							116T			
	LT285/65R18			125/122R								
	LT275/65R18			123/120R								
	P275/65R18		114T	114T								
	LT275/70R18		125/122R	125/122R								

XL : Extra Load

# SIZE LIST

Light Truck  
Camioneta  
Comerciais  
Camionnette



	MARSHAL MU12	CRUGEN HT51	ROAD VENTURE AT51	ROAD VENTURE MT51	ROAD VENTURE MT	MARSHAL WS71 (SUV)	MARSHAL WS31 (SUV)	MARSHAL WS51 (SUV)	PorTran KC53	PorTran KC55	Winter PorTran CW51	Winter PorTran CW11
	Summer	All-Season	All-Terrain	Mud-Terrain		Winter Alpine	Winter Arctic Stud	Winter Arctic Studless	LCV Summer		LCV Winter Alpine	LCV Winter Arctic Stud
18"	265/60R18	110V	110T			114H XL	114T XL	114T XL				
	LT265/60R18			119/116Q								
	P265/65R18	112T										
	P265/70R18	114T	114T									
	255/55R18					109H XL	109T XL	109T XL				
	255/60R18					112H XL	112T XL					
	P255/70R18		112T									
	245/55R18	103V										
	245/60R18					105H						
	235/55R18	100V				100H	100H, 104T XL	104T XL				
	235/60R18	103H				107H XL	107T XL	107T XL				
	235/65R18	110V XL				106H						
	225/55R18	98H				102H XL	102T XL	102T XL				
	225/60R18	104H XL				104H XL	104T XL	104T XL				
	215/50R18	92W										
	215/55R18					99H XL						
17"	35X12.50R17LT				124Q							
	LT315/70R17		121/118R		121/118Q							
	LT285/70R17		121/118R	121/118Q								
	275/65R17						115T					
	LT275/65R17		121/118R	121/118Q								
	LT275/70R17		114/110R									
	265/65R17		112T	112T		116H XL	116T XL	116T XL				
	LT265/65R17				120/117Q							
	LT265/70R17		121/118S	121/118R	121/118Q							
	P265/70R17		113T	113T								
	255/60R17					110H XL						
	255/65R17					114H XL	114T XL, 110T	114T XL				
	245/65R17	111H XL	111T XL			111H XL	111T XL					
	P245/65R17			105T								
	245/70R17		110T									
	LT245/70R17			119/116R	119/116Q							
	P245/70R17			108T								
	LT245/75R17			121/118R								
	235/55R17					99H	103T XL					
	235/60R17					102H	102H, 106T XL					
	235/65R17	104V	104T	108T XL		108H XL	108T XL	108T XL				
	225/60R17	99H				99H	99H, 103T XL	103T XL				
	225/65R17	102H	102T	106T XL		106H XL	102T, 106T XL	106T XL				
	LT225/70R17				110/107Q							

XL : Extra Load

# SIZE LIST

Light Truck  
Camioneta  
Comerciais  
Camionnette



	MARSHAL MU12	CRUGEN HT51	ROAD VENTURE AT51	ROAD VENTURE MT51	ROAD VENTURE MT	MARSHAL WS711 (SUV)	MARSHAL WS31 (SUV)	MARSHAL WS51 (SUV)	PorTran KC53	PorTran KC55	Winter PorTran CW51	Winter PorTran CW11
	Summer	All-Season	All-Terrain	Mud-Terrain		Winter Alpine	Winter Arctic Stud	Winter Arctic Studless	LCV Summer		LCV Winter Alpine	LCV Winter Arctic Stud
17"	215/60R17					96H	96H, 100T XL	100T XL	104/102T		104/102H	
	215/60R17C											
	215/65R17						103T XL					
16"	6.00R16C								103/101N			
	LT315/75R16		121/118R	127/124Q								
	LT305/70R16		124/121R									
	LT285/75R16		126/123R	126/123Q	126/123Q							
	P275/70R16	114T										
	265/70R16	112T	112T			112H	112T					
	LT265/70R16			117/114Q								
	LT265/75R16		123/120R	123/120Q	119/116Q, 123/120Q							
	P265/75R16		114T									
	255/70R16	111T				111H						
	LT255/70R16			115/112Q								
	P255/70R16		109T									
	245/70R16	111H XL	111T XL	111T XL		107H	107H, 107T	111T XL				
	LT245/70R16			118/115Q								
	LT245/75R16		120/116R	120/116Q	120/116Q							
	P245/75R16		109T									
	235/65R16C								115/113R, 121/119R		115/113R	115/113R
	235/70R16					106H	106T					
	P235/70R16		104T									
	235/85R16C										120/116R	
	LT235/85R16		120/116R	120/116Q	120/116Q							
	225/65R16C								112/110R		112/110R	112/110R
	225/70R16		103T				107T XL					
	225/75R16					104T						
	225/75R16C								118/116R, 121/120R		121/120R	121/120R
	LT225/75R16			115/112Q								
	215/60R16C								103/101T			
	215/65R16		102T XL					102T XL				
	215/65R16C								109/107T		109/107R	109/107R
	215/70R16					100T	100T	100T				
	215/70R16C		108/106R						108/106T			
	215/75R16C								113/111R, 116/114R		116/114R	116/114R
	LT215/85R16		115/112Q									
	205/65R16C								107/105T		107/105T	107/105R
	205/75R16C								110/108R		110/108R	110/108R
	205/80R16		104T XL		104Q XL							
	LT205R16		112/110R									

XL : Extra Load

# SIZE LIST

Light Truck  
Camioneta  
Comerciais  
Camionnette



	MARSHAL MU12	CRUGEN HT51	ROAD VENTURE AT51	ROAD VENTURE MT51	ROAD VENTURE MT	MARSHAL WS71 (SUV)	MARSHAL WS31 (SUV)	MARSHAL WS51 (SUV)	PorTran KC53	PorTran KC55	Winter PorTran CW51	Winter PorTran CW11
	Summer	All-Season	All-Terrain	Mud-Terrain		Winter Alpine	Winter Arctic Stud	Winter Arctic Studless	LCV Summer		LCV Winter Alpine	LCV Winter Arctic Stud
195/60R16C												
195/65R16C												
195/70R16												
195/75R16C												
185/75R16C												
<b>15"</b>												
35X12.50R15LT												
33X12.50R15LT			108R	108Q	108Q							
32X11.50R15LT			113R	113Q	113Q							
31X10.5R15LT					109Q							
31X10.50R15LT			109R	109Q								
30X9.50R15LT			104R		104Q							
255/70R15		108T										
235/75R15			109T XL									
LT235/75R15			104/101R	110/107Q	104/101Q							
225/70R15C												
215/65R15C												
215/70R15C												
LT215/75R15			106/103R, 106/103Q		106/103Q							
205/65R15C												
205/70R15												
205/70R15C												
195/70R15C												
195R15C												
<b>14"</b>												
27X8.50R14LT			101R		95Q							
P215/75R14			98T									
215R14C												
195/75R14C												
195R14C												
185/75R14C												
185R14C												
175/65R14C												
175/70R14			88T XL									
165/70R14C												
<b>13"</b>												
5.50R13LT												
175R13C												
165R13C												
155R13C												
145R13C												
<b>12"</b>												
5.00R12LT												
155R12C												

XL : Extra Load



LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# CRUGEN HT51

## Highway Terrain



### English

- Long tread life with all season capabilities
- Excellent safety on the road covered with snow
- With 3D Sipe application, handling performance and snow traction performance have been improved
- M+S and 3PMSF (3 Peak-Mountain-Snowflake) certified



### Español

- Capacitada con una larga vida de la banda de rodadura para todas las estaciones
- Excelente seguridad para camino cubierto de nieve
- Ranuras tridimensionales que mejoran el manejo y la tracción en la nieve
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)



### Português

- Longa vida do piso com todas as capacidades da época
- Excelente segurança na estrada coberta de neve
- Com a aplicação de ranhuras 3D, a dirigibilidade e o desempenho de tração em neve e lama foram melhorados
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)



### Français

- Pneu toutes saisons avec une longévité de la bande de roulement prolongée
- Une excellente sécurité sur route enneigée
- Grâce à la lamellisation 3D, la tenue de route et la traction sur neige sont améliorées
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)



Highway  
Terrain



All Season



Handling



3PMSF

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	UTQG	Rim Protector	
				bar	psi	kg	lbs	mm	inch	mm	inch						mm
<b>Black Sidewall</b>																	
20"	P275/55 R20	111T	8.5	7.5 - 9.5	3.5	51	1090	2403	284	11.2	810	31.9	9.8	12.3	372	2471	720 A A -
	P275/60 R20	114T	8.0	7.5 - 9.5	3.5	51	1180	2601	279	11.0	838	33.0	9.8	12.3	383	2556	720 A A -
19"	245/55 R19	103T	7.5	7.0 - 8.5	3.5	51	875	1929	253	10.0	753	29.6	9.8	12.3	347	2297	720 A A -
18"	P275/65 R18	114T	8.0	7.5 - 9.5	3.5	51	1180	2601	279	11.0	815	32.1	9.8	12.3	368	2486	720 A A -
	LT 275/70 R18 10 S	125R	8.0	7.5 - 9.5	5.5	80	1650	3640	279	11.0	843	33.2	11.2	14.1	379	2571	- - - -
		D 122					1500	3305									
	265/60 R18	110T	8.0	7.5 - 9.5	3.5	51	1060	2337	272	10.7	775	30.5	9.8	12.3	353	2364	720 A A -
	P265/65 R18	112T	8.0	7.5 - 9.5	3.5	51	1120	2469	272	10.7	801	31.5	9.8	12.3	363	2443	720 A A -
	P265/70 R18	114T	8.0	7.0 - 9.0	3.5	51	1180	2601	272	10.7	829	32.6	9.8	12.3	374	2528	720 A A -
	P255/70 R18	112T	7.5	6.5 - 8.5	3.5	51	1120	2469	260	10.2	815	32.1	9.8	12.3	368	2486	720 A A -
17"	265/65 R17	112T	8.0	7.5 - 9.5	3.5	51	1120	2469	272	10.7	776	30.6	9.8	12.3	350	2367	720 A A -
	P265/70 R17	113T	8.0	7.0 - 9.0	3.5	51	1150	2535	272	10.7	804	31.7	9.8	12.3	361	2452	720 A A -
	LT 265/70 R17 10 S	121S	8.0	7.0 - 8.5	5.5	80	1450	3195	272	10.7	804	31.7	11.2	14.1	361	2452	- - - -
		D 118					1320	2910									
	245/65 R17 XL	111T	7.0	7.0 - 8.5	3.4	50	1090	2403	248	9.8	750	29.5	9.8	12.3	340	2288	720 A A -
	245/70 R17	110T	7.0	6.5 - 8.0	3.5	51	1060	2337	248	9.8	776	30.6	9.8	12.3	350	2367	720 A A -
	235/60 R17	102T	7.0	6.5 - 8.5	3.5	51	850	1874	240	9.4	714	28.1	9.8	12.3	326	2178	720 A A -
	235/65 R17	104T	7.0	6.5 - 8.5	3.5	51	900	1984	240	9.4	738	29.1	9.8	12.3	335	2251	720 A A -
	225/65 R17	102T	6.5	6.0 - 8.0	3.5	51	850	1874	228	9.0	724	28.5	9.8	12.3	330	2208	720 A A -
16"	P275/70 R16	114T	8.0	7.0 - 9.0	3.5	51	1180	2601	279	11.0	792	31.2	9.8	12.3	354	2416	720 A A -
	265/70 R16	112T	8.0	7.0 - 9.0	3.5	51	1120	2469	272	10.7	778	30.6	9.8	12.3	348	2373	720 A A -
	255/70 R16	111T	7.5	7.0 - 9.0	3.5	51	1090	2403	260	10.2	764	30.1	9.8	12.3	343	2330	720 A A -
	245/70 R16 XL	111T	7.0	6.5 - 8.0	3.4	50	1090	2403	248	9.8	750	29.5	9.8	12.3	337	2288	720 A A -
	225/70 R16	103T	6.5	6.0 - 7.5	3.5	51	875	1929	228	9.0	722	28.4	9.8	12.3	326	2202	720 A A -
15"	255/70 R15	108T	7.5	6.5 - 8.5	3.5	51	1000	2205	260	10.2	739	29.1	9.8	12.3	330	2254	720 A A -

XL : Extra Load

### Award & Test Results



CR Consumer Reports

Consumer Reports (2021.06)  
: Ranking 5





LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# ROAD VENTURE AT51

All Terrain



English

- All terrain tire for light trucks, high level of braking and handling performance
- A cut and chip-resistant compound into symmetric All-terrain tread pattern with off road traction
- M+S and 3PMSF (3 Peak-Mountain-Snowflake) certified

Español

- Neumáticos todo terreno para camiones ligeros, rendimiento de gran nivel de frenado y manejo
- Compuesto de resistencia al corte dentro de un patrón de la banda de rodamiento simétrico con tracción fuera de carretera
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)

Português

- Pneu de camionete para todo terreno alto desempenho em frenagens e dirigibilidade
- Banda de rodagem com desenho assimétrico e composto de alta resistência a cortes e picotamentos e grande tração em condições fora de estrada
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)

Français

- Pneu tout terrain pour camionnette, freinage et tenue de route de haut niveau
- Composé résistant à la coupure et à l'écaillage, bande de roulement tout terrain au design symétrique pour une meilleure traction hors route
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)



Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	UTQG	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch					
<b>Black Sidewall</b>																
16"	<b>P265/75 R16</b>	<b>114T</b>	7.5	7.0 - 9.0	3.5	51	1180 2601	267 10.5	804 31.7	10.4 13.1	358	2452	540	A A	-	
	<b>P255/70 R16</b>	<b>109T</b>	7.5	7.0 - 9.0	3.5	51	1030 2271	260 10.2	764 30.1	10.4 13.1	343	2330	540	A A	-	
	<b>245/70 R16 XL</b>	<b>111T</b>	7.0	6.5 - 8.0	3.4	50	1090 2403	248 9.8	750 29.5	10.4 13.1	337	2288	540	A A	-	
	<b>P245/75 R16</b>	<b>109T</b>	7.0	6.5 - 8.0	3.5	51	1030 2271	248 9.8	774 30.5	10.4 13.1	347	2361	540	A A	-	
	<b>LT 245/75 R16 10</b>	<b>S 120R</b>	7.0	6.5 - 8.0	5.5	80	1380 3042	248 9.8	774 30.5	12.4 15.6	347	2361	-	- -	-	
		<b>D 116</b>					1260 2778									
	<b>P235/70 R16</b>	<b>104T</b>	7.0	6.0 - 8.0	3.5	51	900 1984	240 9.4	736 29.0	10.4 13.1	332	2245	540	A A	-	
	<b>LT 235/85 R16 10</b>	<b>S 120R</b>	6.5	6.0 - 7.5	5.5	80	1380 3042	235 9.3	806 31.7	12.4 15.6	359	2458	-	- -	-	
		<b>D 116</b>					1260 2778									
	<b>215/65 R16 XL</b>	<b>102T</b>	6.5	6.0 - 7.5	3.4	50	850 1874	221 8.7	686 27.0	10.4 13.1	312	2092	540	A A	-	
	<b>LT 215/70 R16 06</b>	<b>S 108R</b>	6.5	5.5 - 7.0	3.8	55	1000 2205	221 8.7	708 27.9	12.4 15.6	321	2159	-	- -	-	
		<b>D 106</b>					950 2094									
	<b>215/85 R16 10</b>	<b>S 115Q</b>	6.0	5.5 - 7.0	5.5	80	1215 2680	216 8.5	772 30.4	12.4 15.6	346	2355	-	- -	-	
		<b>D 112</b>					1120 2470									
<b>205/80 R16 XL</b>	<b>104T</b>	5.5	5.0 - 6.5	3.4	50	900 1984	203 8.0	734 28.9	10.4 13.1	331	2239	540	A A	-		
<b>LT 205 R16 08</b>	<b>S 112R</b>	6.0	5.5 - 6.5	4.5	65	1120 2469	208 8.2	736 29.0	12.4 15.6	332	2245	-	- -	-		
	<b>D 110</b>					1060 2337										
15"	<b>LT 235/75 R15 06</b>	<b>S 104R</b>	6.5	6.0 - 7.0	3.4	50	900 1985	235 9.3	733 28.9	12.4 15.6	328	2236	-	- -	-	
		<b>D 101</b>				825 1820										
	<b>235/75 R15 XL</b>	<b>109T</b>	6.5	6.0 - 8.0	3.4	50	1030 2271	235 9.3	733 28.9	10.4 13.1	328	2236	540	A A	-	
	<b>215/75 R15 08</b>	<b>S 106R</b>	6.0	5.5 - 7.0	4.5	65	950 2095	216 8.5	703 27.7	12.4 15.6	316	2144	-	- -	-	
		<b>D 103</b>					875 1930									
	<b>215/75 R15 08</b>	<b>S 106Q</b>	6.0	5.5 - 7.0	4.5	65	950 2095	216 8.5	703 27.7	12.4 15.6	316	2144	-	- -	-	
		<b>D 103</b>					875 1930									
14"	<b>33X12.5 R15 LT 06</b>	<b>108R</b>	10.0	8.5 - 11.0	2.4	35	1000 2205	318 12.5	826 32.5	12.4 15.6	364	2519	-	- -	-	
	<b>32X11.5 R15 LT 06</b>	<b>113R</b>	9.0	8.0 - 10.0	3.4	50	1150 2535	290 11.4	801 31.5	12.4 15.6	354	2443	-	- -	-	
	<b>31X10.5 R15 LT 06</b>	<b>109R</b>	8.5	7.0 - 9.0	3.4	50	1030 2270	268 10.6	775 30.5	12.4 15.6	344	2364	-	- -	-	
	<b>30X9.5 R15 LT 06</b>	<b>104R</b>	7.5	6.5 - 8.5	3.4	50	900 1985	240 9.4	750 29.5	12.4 15.6	334	2288	-	- -	-	
	<b>P215/75 R14</b>	<b>98T</b>	6.0	5.5 - 7.0	3.5	51	755 1664	216 8.5	678 26.7	10.4 13.1	304	2068	540	A A	-	
<b>175/70 R14 XL</b>	<b>88T</b>	5.0	4.5 - 6.0	3.4	50	560 1235	177 7.0	602 23.7	10.4 13.1	274	1836	540	A A	-		
<b>27X8.50 R14 LT 08</b>	<b>101R</b>	7.0	6.0 - 7.5	4.5	65	825 1819	218 8.6	674 26.5	12.4 15.6	302	2056	-	- -	-		

XL : Extra Load

LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# ROAD VENTURE MT51

## Mud Terrain



English

- Mild MT for mine and mountain climbing
- Improved on-road driving performance
- Stone ejector and mud cleaning performance



Español

- Leve MT para conducción en montaña
- Rendimiento de conducción sobre carretera mejorado
- Ejector de piedras y sistema de limpieza de barro



Português

- Pneu MT para terrenos montanhosos
- Desempenho melhorado para condições de pistas pavimentadas
- Ejetor de pedras e auto limpeza de lama de alto desempenho



Français

- Pneu mixte pour franchissement
- Performance sur route améliorée
- Ejecte les pierres, évacue la boue



Mud Terrain



All Season



Handling



Off-Road Traction

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	Rim Protector		
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"					
<b>Black Sidewall</b>																		
18"	LT 265/60 R18 10	S	119Q	8.0	7.5 - 9.5	5.5	80	1360	3000	272	10.7	781	30.7	14.5	18.3	355	2382	○
17"	LT 285/70 R17 10	S	121Q	8.5	7.5 - 9.0	5.5	80	1450	3195	292	11.5	838	33.0	14.5	18.3	374	2556	○
17"	LT 275/65 R17 10	S	121Q	8.0	7.5 - 9.5	5.5	80	1450	3195	279	11.0	796	31.3	14.5	18.3	358	2428	○
17"	LT 265/65 R17 10	S	120Q	8.0	7.5 - 9.5	5.5	80	1400	3085	272	10.7	782	30.8	14.5	18.3	352	2385	○
17"	LT 265/70 R17 10	S	121Q	8.0	7.0 - 8.5	5.5	80	1450	3195	272	10.7	810	31.9	14.5	18.3	363	2471	○
17"	LT 245/70 R17 10	S	119Q	7.0	6.5 - 8.0	5.5	80	1360	3000	248	9.8	782	30.8	14.5	18.3	352	2385	○
17"	225/70 R17 08	S	110Q	6.5	6.0 - 7.5	4.5	65	1060	2335	228	9.0	754	29.7	14.5	18.3	342	2300	○
16"	315/75 R16 10	S	127Q	8.5	8.0 - 11.0	4.5	65	1750	3860	313	12.3	884	34.8	14.5	18.3	389	2696	○
16"	LT 285/75 R16 10	S	126Q	8.0	7.5 - 9.0	5.5	80	1700	3750	286	11.3	840	33.1	14.5	18.3	372	2562	○
16"	LT 265/70 R16 08	S	117Q	8.0	7.0 - 8.5	4.5	65	1285	2835	272	10.7	784	30.9	14.5	18.3	350	2391	○
16"	LT 265/75 R16 10	S	123Q	7.5	7.0 - 8.0	5.5	80	1550	3415	267	10.5	810	31.9	14.5	18.3	361	2471	○
16"	LT 255/70 R16 08	S	115Q	7.5	6.5 - 8.0	4.5	65	1215	2680	260	10.2	770	30.3	14.5	18.3	345	2349	○
16"	LT 245/70 R16 10	S	118Q	7.0	6.5 - 7.5	5.5	80	1320	2910	248	9.8	756	29.8	14.5	18.3	340	2306	○
16"	LT 245/75 R16 10	S	120Q	7.0	6.5 - 8.0	5.5	80	1380	3042	248	9.8	780	30.7	14.5	18.3	349	2379	○
16"	235/85 R16 10	S	120Q	6.5	6.0 - 7.5	5.5	80	1380	3042	235	9.3	812	32.0	14.5	18.3	361	2477	○
15"	LT 235/75 R15 08	S	110Q	6.5	6.0 - 7.0	4.5	65	1060	2335	235	9.3	739	29.1	14.5	18.3	330	2254	○
15"	33X12.5 R15 LT 06	S	108Q	10.0	8.5 - 11.0	2.4	35	1000	2205	318	12.5	832	32.8	14.5	18.3	366	2538	○
15"	31X10.5 R15 LT 06	S	109Q	8.5	7.0 - 9.0	3.4	50	1030	2270	268	10.6	781	30.7	14.5	18.3	347	2382	○

### Award & Test Results



reddot award 2016  
winner

LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# ROAD VENTURE MT

## Extreme Mud Terrain



English

- Extreme MT for mountain climbing and rock crawling
- Improved on-road driving performance
- Stone ejector and mud cleaning performance



Español

- Mud Terrain extremo para subir montañas y sortear rocas
- Rendimiento mejorado para el manejo en caminos asfaltados
- Impulsor de piedras y capacidad de evaporación de barro



Português

- Extremo MT (Terreno de barro) para escalada de montanhas e rochas
- Performance de direção em estrada aperfeiçoada
- Performance do ejetor de pedras e vaporizador de barro



Français

- Extrême sol boueux pour franchissement de rampe montagneuse et d'obstacle rocheux
- Amélioration des performances de roulage sur route
- Ejecteur de pierres et system de dissipation de la boue



Mud Terrain



All Season



Handling



Off-Road Traction

### Award & Test Results



Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Black Sidewall</b>																
20"	33X12.5 R20 LT 10 114Q	10.0	8.5 - 11.0	4.5	65	1180	2600	318	12.5	826	32.5	16.7	21.0	378	2519	o
18"	33X12.5 R18 LT 10 118Q	10.0	8.5 - 11.0	4.5	65	1320	2910	318	12.5	826	32.5	16.7	21.0	392	2519	-
17"	LT 315/70 R17 08 S 121Q	9.5	8.0 - 11.0	3.5	50	1450	3195	323	12.7	874	34.4	14.7	18.5	388	2666	o
	D 118					1320	2910									
	LT 265/70 R17 10 S 121Q	8.0	7.0 - 8.5	5.5	80	1450	3195	272	10.7	804	31.7	14.7	18.5	361	2452	o
	D 118					1320	2910									
	35X12.5 R17 10 124Q	10	8.5 - 11	4.5	65	1600	3525	318	12.5	877	34.5	16.7	21.0	390	2675	o
16"	LT 285/75 R16 10 S 126Q	8.0	7.5 - 9.0	5.5	80	1700	3750	286	11.3	834	32.8	14.7	18.5	370	2544	o
	D 123					1550	3415									
	LT 265/75 R16 08 S 119Q	7.5	7.0 - 8.0	4.5	65	1360	3000	267	10.5	804	31.7	14.7	18.5	358	2452	o
	D 116					1250	2755									
	LT 265/75 R16 10 S 123Q	7.5	7.0 - 8.0	5.5	80	1550	3415	267	10.5	804	31.7	14.7	18.5	358	2452	o
	D 120					1400	3085									
	LT 245/75 R16 10 S 120Q	7.0	6.5 - 8.0	5.5	80	1380	3042	248	9.8	774	30.5	14.7	18.5	347	2361	o
	D 116					1260	2778									
	LT 235/85 R16 10 S 120Q	6.5	6.0 - 7.5	5.5	80	1380	3042	235	9.3	806	31.7	14.7	18.5	359	2458	o
	D 116					1260	2778									
	LT 225/75 R16 10 S 115Q	6.0	6.0 - 7.0	5.5	80	1215	2680	223	8.8	744	29.3	14.2	17.9	335	2269	o
	D 112					1120	2470									
	205/80 R16 XL 104Q	5.5	5.0 - 7.0	3.5	50	900	1985	203	8.0	734	28.9	14.3	18.0	392	2519	o
15"	LT 235/75 R15 06 S 104Q	6.5	6.0 - 7.0	3.5	50	900	1985	235	9.3	733	28.9	14.2	17.9	328	2236	o
	D 101					825	1820									
	LT 215/75 R15 08 S 106Q	6.0	5.5 - 7.0	4.5	65	950	2095	216	8.5	703	27.7	13.7	17.3	316	2144	o
	D 103					875	1930									
	35X12.5 R15 LT 06 113Q	10.0	8.5 - 11.0	2.5	35	1160	2555	318	12.5	877	34.5	15.7	19.8	384	2675	o
	33X12.5 R15 LT 06 108Q	10.0	8.5 - 11.0	2.5	35	1000	2205	318	12.5	826	32.5	14.7	18.5	364	2519	o
	32X11.5 R15 LT 06 113Q	9.0	8.0 - 10.0	3.5	50	1150	2535	290	11.4	801	31.5	15.7	19.8	354	2443	o
	31X10.5 R15 LT 06 109Q	8.5	7.0 - 9.0	3.5	50	1030	2270	268	10.5	775	30.5	14.7	18.5	344	2364	o
	30X9.5 R15 LT 06 104Q	7.5	6.5 - 8.5	3.5	50	900	1985	240	9.5	750	29.5	14.7	18.5	334	2288	o
14"	27X8.50 R14 LT 06 95Q	7.0	6.0 - 7.5	3.5	50	690	1520	218	8.6	674	26.5	14.2	17.9	302	2056	o

XL : Extra Load





LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# WINTERCRAFT WS51 <sup>ice</sup> SUV

Winter Arctic (Studless)



English

- New compound technology for outstanding braking performance on wet, snowy and icy roads
- Innovative tread design and 3D sipe application for enhanced traction on snow and ice covered roads in Arctic conditions
- M+S and 3PMSF (3 Peak-Mountain-Snowflake) certified
- For powerful SUVs as well as modern off-road vehicles



Español

- Aplicación de tecnología punta en compuestos para unas excelentes prestaciones de frenada en carreteras secas, con nieve y con hielo
- Diseño del dibujo optimizado con laminillas 3D para mejorar la tracción en carreteras con nieve y con hielo
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)
- Para SUV potentes así como vehículos off-road modernos



Português

- Tecnologia de composto otimizada para excelente desempenho de frenagem em estradas molhadas, com neve e geladas
- Design de banda otimizado e ranhuras 3D para melhor tração em estradas de neve e gelo
- Com marcação M + S e símbolo 3PMSF (3 floco de neve em topo de montanha)
- Para potentes SUVs, bem como veículos off-road modernos



Français

- Mélange de gomme technique avancé pour un freinage optimisé sur route mouillée, enneigée et glacée
- Bande de roulement conçue avec stries en 3D pour une traction optimale sur route enneigée et glacée
- Marquage M+S et 3PMSF(3 Pics de Montagnes Symbole Flocon de neige)
- Adapté aux SUV et 4x4 puissants et modernes



Extreme Winter



Ice Braking



Snow Braking



Snow Handling

Rim	Tire Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	Rim Protector
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			
<b>Black Sidewall</b>																
19"	255/50 R19 XL 107T	8.0	7.0 - 9.0	3.4	50	975	2149	265	10.4	739	29.1	9.2	11.6	341	2254	o
	255/55 R19 XL 111T	8.0	7.0 - 9.0	3.4	50	1090	2403	265	10.4	763	30.0	9.2	11.6	351	2327	-
	245/55 R19 XL 107T	7.5	7.0 - 8.5	3.4	50	975	2149	253	10.0	753	29.6	9.2	11.6	347	2297	-
	235/55 R19 XL 105T	7.5	6.5 - 8.5	3.4	50	925	2039	245	9.6	741	29.2	9.2	11.6	342	2260	-
18"	265/60 R18 XL 114T	8.0	7.5 - 9.5	3.4	50	1180	2601	272	10.7	775	30.5	9.2	11.6	353	2364	-
	255/55 R18 XL 109T	8.0	7.0 - 9.0	3.4	50	1030	2271	265	10.4	737	29.0	9.2	11.6	338	2248	-
	235/55 R18 XL 104T	7.5	6.5 - 8.5	3.4	50	900	1984	245	9.6	715	28.1	9.2	11.6	329	2181	-
	235/60 R18 XL 107T	7.0	6.5 - 8.5	3.4	50	975	2149	240	9.4	739	29.1	9.2	11.6	339	2254	-
	225/55 R18 XL 102T	7.0	6.0 - 8.0	3.4	50	850	1874	233	9.2	705	27.8	9.2	11.6	325	2150	-
	225/60 R18 XL 104T	6.5	6.0 - 8.0	3.4	50	900	1984	228	9.0	727	28.6	9.2	11.6	334	2217	-
17"	265/65 R17 XL 116T	8.0	7.5 - 9.5	3.4	50	1250	2756	272	10.7	776	30.6	9.2	11.6	350	2367	-
	255/65 R17 XL 114T	7.5	7.0 - 9.0	3.4	50	1180	2601	260	10.2	764	30.1	9.2	11.6	346	2330	-
	235/65 R17 XL 108T	7.0	6.5 - 8.5	3.4	50	1000	2205	240	9.4	738	29.1	9.2	11.6	335	2251	-
	225/60 R17 XL 103T	6.5	6.0 - 8.0	3.4	50	875	1929	228	9.0	702	27.6	9.2	11.6	321	2141	-
225/65 R17 XL 106T	6.5	6.0 - 8.0	3.4	50	950	2094	228	9.0	724	28.5	9.2	11.6	330	2208	-	
215/60 R17 XL 100T	6.5	6.0 - 7.5	3.4	50	800	1764	221	8.7	690	27.2	9.2	11.6	317	2105	-	
16"	245/70 R16 XL 111T	7.0	6.5 - 8.0	3.4	50	1090	2403	248	9.8	750	29.5	9.2	11.6	337	2288	-
	215/65 R16 XL 102T	6.5	6.0 - 7.5	3.4	50	850	1874	221	8.7	686	27.0	9.2	11.6	312	2092	-
	215/70 R16 100T	6.5	5.5 - 7.0	3.5	51	800	1764	221	8.7	708	27.9	9.2	11.6	321	2159	-
15"	205/70 R15 XL 100T	6.0	5.0 - 7.0	3.4	50	800	1764	209	8.2	669	26.3	9.2	11.6	303	2041	-

XL : Extra Load





LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# PorTran KC53

Light Commercial Vehicle



English

- Developed for commercial light truck, transporter, van
- Fully functional block type pattern design delivers increased mileage and traction
- Straight center groove and sipes improve ride and noise



Español

- Desarrollado para camiones comerciales ligeros, furgonetas y camionetas
- Diseño funcional de tipo bloques para ofrecer mayor kilometraje y tracción
- Diseño con canal central recto mejora la conducción y el ruido



Português

- Desenvolvido para transporte comercial
- Desenho de piso em blocos para proporcionar maior quilometragem e melhor tracção
- Sulco central concebido para melhorar a condução e reduzir o ruído



Français

- Développé spécialement pour camionnettes
- Design de profil avec blocs de bande de roulement conçu pour la longévité et l'adhérence améliorée
- Rainure centrale et stries pour meilleur comportement du véhicule et bruit réduit



Commercial



Braking



Fuel Efficiency



Handling

Award & Test Results



ADAC motorwelt (2019.02)  
: Ranking 7

Rim	Tire Size	Ply Rating	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference			
					bar	psi	kg	lbs	mm	inch	mm	inch				mm	x/32"	mm
<b>Black Sidewall</b>																		
15"	○ 195/70 R15C	S 104R	08	6.0	5.0 - 6.0	4.5	65	900	1985	201	7.9	655	25.8	9.7	12.2	297	1998	
		D 102																850 1875
14"	215 R14C	S 112Q	08	6.0	5.5 - 7.0	4.5	65	1120	2469	218	8.6	700	27.6	9.7	12.2	312	2135	
		D 110																1060 2337
	195 R14C	S 106R	08	5.5	5.0 - 6.0	4.5	65	950	2095	198	7.8	666	26.2	9.7	12.2	299	2031	
		D 104																900 1985
	195/75 R14C	S 106R	08	5.5	5.0 - 6.0	4.8	69	950	2094	196	7.7	648	25.5	9.7	12.2	292	1976	
		D 104																
185 R14C	S 102R	08	5.0	5.0 - 6.0	4.5	65	850	1875	188	7.4	650	25.6	9.7	12.2	293	1983		
	D 100																	800 1765
185/75 R14C	S 102R	08	5.0	5.0 - 6.0	4.8	69	850	1874	184	7.2	634	25.0	9.7	12.2	286	1934		
	D 100																	800 1764
175/65 R14C	S 90T	06	5.0	5.0 - 5.5	3.8	54	600	1323	177	7.0	584	23.0	8.7	11.0	267	1781		
	D 88																	560 1235
165/70 R14C	S 89R	06	5.0	4.5 - 5.0	3.8	54	580	1279	170	6.7	588	23.1	8.7	11.0	268	1793		
	D 87																	545 1201
13"	175 R13C	S 94P	06	5.0	4.5 - 5.5	3.8	54	670	1477	178	7.0	612	24.1	8.7	11.0	275	1867	
		D 92																630 1389
	165 R13C	S 94R	08	4.5	4.0 - 5.0	4.5	65	670	1477	160	6.3	595	23.4	9.7	12.2	268	1815	
		D 92																
	155 R13C	S 90R	08	4.5	4.0 - 5.0	4.5	65	600	1323	157	6.2	582	22.9	8.7	11.0	263	1775	
		D 88																
145 R13C	S 88R	08	4.0	3.5 - 4.5	4.5	65	560	1235	147	5.8	569	22.4	8.7	11.0	258	1735		
	D 86																	530 1168

○ : Only Made in China

LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# PorTran KC55

Light Commercial Vehicle



English

- Designed for drive position use on light trucks
- Improve endurance performance of the saddle to reduce the fever bead
- According to the load and mileage improvement over anti-wear
- Handling performance improvements



Español

- Diseñado para uso en eje tracción de camiones ligeros
- Incremento de las prestaciones de durabilidad reduciendo el calor en el talón
- Mejoras en las prestaciones de manejabilidad



Português

- Projectado para eixo direccional
- Melhora o desempenho de resistência para reduzir a abrasão no talão
- De acordo com a carga e quilometragem, resiste ao desgaste
- Melhora o desempenho da condução



Français

- Conçu pour l'essieu moteur de camionnettes
- Longévité améliorée avec la réduction de la chaleur accumulée dans la tringle
- Capacité de charges et longévité kilométrique améliorées par anti-usure
- Tenue de route améliorée



Commercial



Braking



Fuel Efficiency



Handling

Rim	Tire Size	Ply Rating	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference		
					bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"				
<b>Black Sidewall</b>																		
13"	LT 5.50 R13	S	94P	10	4.5	4.0 - 4.5	5.6	80	670	1480	149	5.9	622	24.5	9.9	12.5	505	1897
		D																
12"	LT 5.00 R12	S	83P	08	4.0	3.5 - 4.0	4.5	65	485	1070	142	5.6	566	22.3	10.0	12.6	453	1726
		D																
	LT 5.00 R12	S	88P	10	4.0	3.5 - 4.0	5.6	80	560	1235	142	5.6	566	22.3	10.0	12.6	467	1726
		D																
155 R12C	S	91P	10	5.0	4.0 - 4.5	5.6	80	615	1360	158	6.2	548	21.6	9.9	12.5	468	1671	
																		D



LT

Light Truck  
Camioneta  
Comerciais  
Camionnette



# Winter PorTran cw11

LCV Winter Arctic (Studdable)



English

- Suitable for commercial Light Truck, Transporter, Van
- Excellent braking performance on icy roads with diagonal center block and 3D sipes
- Extra durability and high mileage
- 3PMSF (3 Peak Mountain Snowflake) and M+S certified



Español

- Desarrollado para vehículos comerciales ligeros, camiones y furgonetas
- Excelente frenado en carreteras heladas con bloque central diagonal y laminillas 3D
- Duración extra y gran kilometraje
- Homologación 3PMSF (Copo de nieve montaña de 3 picos) y M+S



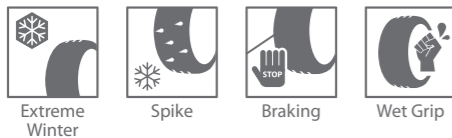
Português

- Adequado para carrinhas leves e veículos comerciais
- Excelente desempenho de frenagem em estradas geladas com bloco central diagonal e lamelas 3D
- Durabilidade extra e alta quilometragem
- 3PMSF (3 Peak Mountain Snowflake) e M + S certificados



Français

- Pneu adapté aux véhicules utilitaires légers, vans et caravanes
- Longévité kilométrique maximale et performances sur sol enneigé
- Sécurité améliorée et conduite confortable en toutes saisons
- Marquage M+S et 3PMSF (3 Peak Mountain Snowflake)



Rim	Tire Size	Ply Rating	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	
					bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			mm
<b>Black Sidewall</b>																	
16"	235/65 R16C	S 115R	08	7.0	6.5 - 7.5	4.8	69	1215	2680	240	9.4	712	28.0	10.2	12.9	322	2172
								D 113									
	225/75 R16C	S 121R	10	6.0	6.0 - 7.0	5.8	83	1450	3195	223	8.8	744	29.3	10.2	12.9	335	2269
								D 120									
	225/65 R16C	S 112R	08	6.5	6.0 - 7.0	4.8	69	1120	2470	228	9.0	698	27.5	10.2	12.9	317	2129
								D 110									
	215/75 R16C	S 116R	10	6.0	5.5 - 7.0	5.3	76	1250	2756	216	8.5	728	28.7	10.2	12.9	329	2220
								D 114									
	215/65 R16C	S 109R	08	6.5	6.0 - 7.0	4.8	69	1030	2271	221	8.7	686	27.0	10.2	12.9	312	2092
								D 107									
	205/65 R16C	S 107R	08	6.0	5.5 - 6.5	4.8	69	975	2150	209	8.2	672	26.5	10.2	12.9	307	2050
								D 105									
205/75 R16C	S 110R	08	5.5	5.5 - 6.5	4.8	69	1060	2335	203	8.0	714	28.1	10.2	12.9	323	2178	
							D 108										
195/75 R16C	S 107R	08	5.5	5.0 - 6.0	4.8	69	975	2150	196	7.7	698	27.5	10.2	12.9	317	2129	
							D 105										
185/75 R16C	S 104R	08	5.0	5.0 - 6.0	4.8	69	900	1985	184	7.2	684	26.9	10.2	12.9	311	2086	
							D 102										
15"	225/70 R15C	S 112R	08	6.5	6.0 - 7.0	4.5	65	1120	2469	228	9.0	697	27.4	10.2	12.9	314	2126
								D 110									
	215/70 R15C	S 109R	08	6.5	5.5 - 7.0	4.5	65	1030	2271	221	8.7	683	26.9	10.2	12.9	308	2083
								D 107									
	195/70 R15C	S 104R	08	6.0	5.0 - 6.0	4.5	65	900	1985	201	7.9	655	25.8	10.2	12.9	297	1998
								D 102									

Award & Test Results



### Load Index

The LOAD INDEX is a numerical code associated with the maximum load a tire can carry at the speed indicated by its Speed Symbol under service conditions specified by the tire manufacturer.

LI	KG	LI	KG	LI	KG	LI	KG	LI	KG	LI	KG	LI	KG
0	45	40	140	80	450	120	1400	160	4500	200	14000	240	45000
1	46.2	41	145	81	462	121	1450	161	4625	201	14500	241	46250
2	47.5	42	150	82	475	122	1500	162	4750	202	15000	242	47500
3	48.7	43	155	83	487	123	1550	163	4875	203	15500	243	48750
4	50	44	160	84	500	124	1600	164	5000	204	16000	244	50000
5	51.5	45	165	85	515	125	1650	165	5150	205	16500	245	51500
6	53	46	170	86	530	126	1700	166	5300	206	17000	246	53000
7	54.5	47	175	87	545	127	1750	167	5450	207	17500	247	54500
8	56	48	180	88	560	128	1800	168	5600	208	18000	248	56000
9	58	49	185	89	580	129	1850	169	5800	209	18500	249	58000
10	60	50	190	90	600	130	1900	170	6000	210	19000	250	60000
11	61.5	51	195	91	615	131	1950	171	6150	211	19500	251	61500
12	63	52	200	92	630	132	2000	172	6300	212	20000	252	63000
13	65	53	206	93	650	133	2060	173	6500	213	20600	253	65000
14	67	54	212	94	670	134	2120	174	6700	214	21200	254	67000
15	69	55	218	95	690	135	2180	175	6900	215	21800	255	69000
16	71	56	224	96	710	136	2240	176	7100	216	22400	256	71000
17	73	57	230	97	730	137	2300	177	7300	217	23000	257	73000
18	75	58	236	98	750	138	2360	178	7500	218	23600	258	75000
19	77.5	59	243	99	775	139	2430	179	7750	219	24300	259	77500
20	80	60	250	100	800	140	2500	180	8000	220	25000	260	80000
21	82.5	61	257	101	825	141	2575	181	8250	221	25750	261	82500
22	85	62	265	102	850	142	2650	182	8500	222	26500	262	85000
23	87.5	63	272	103	875	143	2725	183	8750	223	27250	263	87500
24	90	64	280	104	900	144	2800	184	9000	224	28000	264	90000
25	92.5	65	290	105	925	145	2900	185	9250	225	29000	265	92500
26	95	66	300	106	950	146	3000	186	9500	226	30000	266	95000
27	97.5	67	307	107	975	147	3075	187	9750	227	30750	267	97500
28	100	68	315	108	1000	148	3150	188	10000	228	31500	268	100000
29	103	69	325	109	1030	149	3250	189	10300	229	32500	269	103000
30	106	70	335	110	1060	150	3350	190	10600	230	33500	270	106000
31	109	71	345	111	1090	151	3450	191	10900	231	34500	271	109000
32	112	72	355	112	1120	152	3550	192	11200	232	35500	272	112000
33	115	73	365	113	1150	153	3650	193	11500	233	36500	273	115000
34	118	74	375	114	1180	154	3750	194	11800	234	37500	274	118000
35	121	75	387	115	1215	155	3875	195	12150	235	38750	275	121500
36	125	76	400	116	1250	156	4000	196	12500	236	40000	276	125000
37	128	77	412	117	1285	157	4125	197	12850	237	41250	277	128500
38	132	78	425	118	1320	158	4250	198	13200	238	42500	278	132000
39	136	79	437	119	1360	159	4375	199	13600	239	43750	279	136000

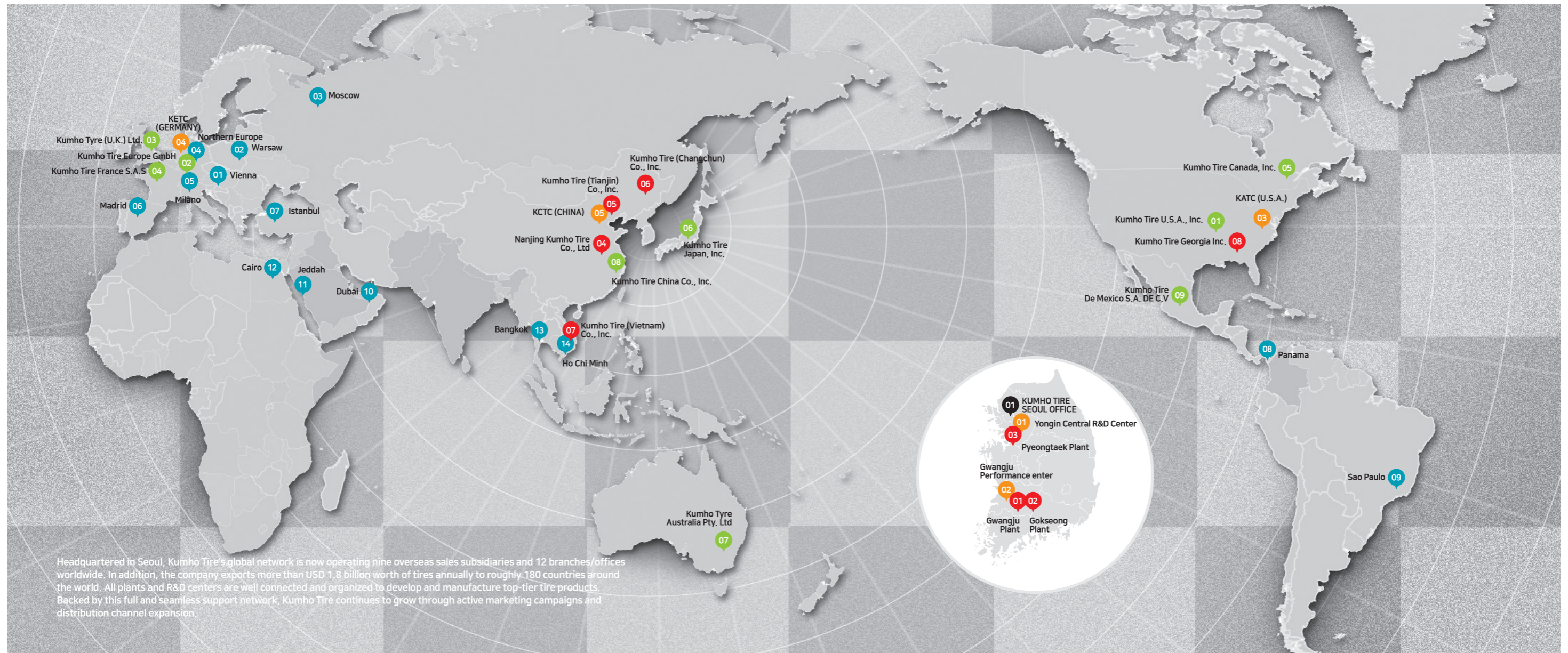
### MEMO

### Speed Symbol

The SPEED SYMBOL indicates the maximum speed at which the tire can carry a load corresponding to its Load Index under service conditions specified by the tire manufacturer.

Speed Symbol	A1	A2	A3	A4	A5	A6	A7	A8	B	C	D	E	F	G	J	K	L	M	N	P	Q	R	S	T	U	H	V	W	Y
Speed(km/h)	5	10	15	20	25	30	35	40	50	60	65	70	80	90	100	110	120	130	140	150	160	170	180	190	200	210	240	270	300

\*(Y): Size indication for YR exceeding products



Headquartered in Seoul, Kumho Tire's global network is now operating nine overseas sales subsidiaries and 12 branches/offices worldwide. In addition, the company exports more than USD 1.8 billion worth of tires annually to roughly 180 countries around the world. All plants and R&D centers are well connected and organized to develop and manufacture top-tier tire products. Backed by this full and seamless support network, Kumho Tire continues to grow through active marketing campaigns and distribution channel expansion.

● 01 | SEOUL OFFICE

68, Saemunan-Ro, Jongno-Gu, Seoul, KOREA

● PLANTS

- 01 | Gwangju Plant  
658, Eodeung-Daero, Gwangsan-Gu, Gwangju
- 02 | Gokseong Plant  
85-63, Geumho-Gil, Ip-Myeon, Gokseong-Gun, Jellanam-Do
- 03 | Pyeongtaek Plant  
87, Pyeongtaek-Ro 156Beon-Gil, Poseung-Eup, Pyeongtaek-Si, Gyeonggi-Do
- 04 | Nanjing Kumho Tire Co., Ltd.  
8 Chunyu Road Nanjing Pukou Economic Development zone, Nanjing, Jiangsu, CHINA
- 05 | Kumho Tire (Tianjin) Co., Inc.  
No.333 Zhongnan, 2st. Teda, Tianjin, CHINA
- 06 | Kumho Tire (Changchun) Co., Inc.  
No.677 Jinhua Road, Changchun, CHINA

- 07 | Kumho Tire (Vietnam) Co., Inc.  
Gcn, My Phuoc3, Industrial Park, Ben Cat Dist, Binh Duong Province, VIETNAM
- 08 | Kumho Tire Georgia Inc.  
3051 Kumho Parkway, Macon, GA 31216, United States

● R&D CENTERS

- 01 | Yongin Central R&D Center  
215-21, Saeun-Ro, Gihung-Gu, Yongin-Si, Gyeonggi-Do
- 02 | Gwangju Performance Center  
658, Eodeung-Daero, Gwangsan-Gu, Gwangju
- 03 | KATC (U.S.A.)  
711 South Cleveland-Massillon Road Akron, Ohio 44333, United States
- 04 | KETC (GERMANY)  
Kumho Tire Europe Technical Center Starkenburg Strasse 10, 64546, Moerfelden-Walldorf, GERMANY
- 05 | KCTC (CHINA)  
No.49 Xinye 3 Street, The West Zone Of Teda, Tianjin, CHINA

● OVERSEAS SALES CORPORATIONS

- 01 | Kumho Tire U.S.A., Inc.  
133 Peachtree Street NE, Suite 2800, Atlanta, GA 30303, United States  
TEL. 1-800-445-8646 / FAX. 1-678-916-3280
- 02 | Kumho Tire Europe GmbH  
Brüsseler Platz 1, 63067 Offenbach am Main, GERMANY  
TEL. 49-69)94331811 / FAX. 49-69)490-069
- 03 | Kumho Tyre (U.K.) Ltd.  
Suite 6 Hilton House, Corporation Street, Rugby, CV21 2DN, UK  
TEL. 44 (0)1788 820 200
- 04 | Kumho Tire France S.A.S.  
103 Quai du Président Roosevelt, 92130 Issy-les-Moulineaux, FRANCE  
TEL. 33-01)4938-0539 / FAX. 33-01)4938-0895
- 05 | Kumho Tire Canada, Inc.  
Unit B, 6430 Kennedy Rd. Mississauga, ON L5T 2Z5, CANADA  
TEL. 1-905)564-0882 / FAX. 1-604)241-5591
- 06 | Kumho Tire Japan, Inc.  
Kyobashi Yamamoto Bldg 2F 3-12-7, Kyobashi, Chou-Ku, Tokyo, JAPAN (104-0031)  
TEL. 81-3)3535-0880 / FAX. 81-3)3535-0881

- 07 | Kumho Tyre Australia Pty. Ltd  
1 Carnaby Street, Marsden Park NSW 2765, AUSTRALIA  
TEL. 61-2)9912-9801 / FAX. 61-2)9912-9830
- 08 | Kumho Tire China Co., Inc.  
2F, Tower G, No.2337, Gudai Road, Westlink, Minhang District, Shanghai, CHINA  
TEL. 86-21)6139-1100 / FAX. 86-21)6139-1416
- 09 | Kumho Tire De Mexico S.A. DE C.V.  
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