

EU All Season Performance

SOLUS 4S HA32

NEW
PRODUCT



English

- Balanced and constant performance all year-round
- Excellent grip and braking performance on wet roads
- Outstanding traction on snow
- M+S marking and snowflake symbol (3PMSF)



Deutsch

- Ausgewogene und gleichbleibende Performance zu jeder Jahreszeit
- Ausgezeichneter Grip und kurze Bremswege auf nasser Fahrbahn
- Hervorragende Traktion auf Schnee
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)



Français

- Des performances équilibrées et constantes toute l'année
- Excellentes performances d'adhérence et de freinage sur routes mouillées
- Traction impressionnante sur sol enneigé
- Marquage M+S et 3PMSF pour hiver



Português

- Desempenho equilibrado e constante durante todo o ano
- Excelente aderência e desempenho em estradas molhadas
- Excelente tração na neve
- Marcação M + S e símbolo de floco de neve (3PMSF)



Español

- Prestaciones equilibradas y constantes durante todo el año
- Excelente agarre y frenado en mojado
- Excelente tracción sobre nieve
- Marcaje M+S y símbolo del copo de nieve (3PMSF)



Русский

- Balanced and constant performance all year-round Сбалансированные и предсказуемые характеристики круглый год
- Прекрасное сцепление и торможение на мокрых дорогах
- Хорошая управляемость на снегу
- Маркировка M+S и снежинка с тремя горными пиками (3PMSF) для шин, предназначенных для использования в суровых зимних условиях



All Season



Wet Braking



Snow Handling



Directional

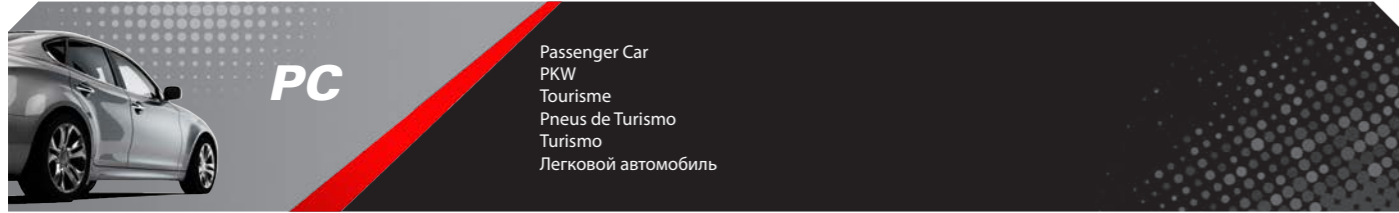
HA32

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure	Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector			
					bar	psi	kg	lbs	mm	inch				mm	inch	mm		mm	RR	Wet Grip
Black Sidewall																				
20"	255/45 ZR20 XL 105W	8.5	8.0 - 9.5	3.5	51	925	2039	255	10.0	738	29.1	8.1	10.2	344	2251	*	*	*	*	-
	195/55 R20 XL 95H	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	722	28.4	7.5	9.4	337	2202	*	*	*	*	-
19"	235/45 ZR19 XL 99W	8.0	7.5 - 9.0	3.4	50	775	1709	236	9.3	695	27.4	7.0	8.8	324	2120	*	*	*	*	-
	235/50 ZR19 XL 103W	7.5	6.5 - 8.5	3.5	51	875	1929	245	9.6	719	28.3	8.1	10.2	333	2193	*	*	*	*	-
18"	205/55 R19 XL 97V	6.5	5.5 - 7.5	3.5	51	730	1609	214	8.4	709	27.9	8.1	10.2	330	2162	*	*	*	*	-
	225/45 ZR19 XL 96W	3.0	7.0 - 8.5	3.4	50	710	1565	225	8.9	685	27.0	7.0	8.8	320	2089	C	B	B	70	-
	245/40 ZR18 XL 97W	8.5	8.0 - 9.5	3.4	50	730	1609	248	9.8	653	25.7	7.0	8.8	255	1992	C	B	B	72	o
	245/45 ZR18 XL 100W	8.0	7.5 - 9.0	3.4	50	800	1764	243	9.6	677	26.7	7.0	8.8	264	2065	C	B	B	72	-
	235/40 ZR18 XL 95W	8.5	8.0 - 9.5	3.4	50	690	1521	241	9.5	645	25.4	7.0	8.8	302	1967	*	*	*	*	o
17"	235/45 ZR18 XL 98W	8.0	7.5 - 9.0	3.4	50	750	1653	236	9.3	669	26.3	7.0	8.8	311	2040	*	*	*	*	-
	225/40 ZR18 XL 92W	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	536	21.1	7.0	8.8	209	1635	C	B	B	72	o
	225/45 ZR18 XL 95W	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	7.0	8.8	257	2010	C	B	B	72	-
	225/50 ZR18 XL 99W	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	683	26.9	7.0	8.8	317	2083	*	*	*	*	-
	225/55 R18 XL 102V	7.0	6.0 - 8.0	3.4	50	850	1874	233	9.2	705	27.8	7.5	9.4	325	2150	C	B	B	72	-
	215/50 ZR18 92W	7.0	6.0 - 7.5	3.5	51	630	1389	226	8.9	673	26.5	7.0	8.8	313	2053	*	*	*	*	-
	245/45 ZR17 XL 99W	8.0	7.5 - 9.0	3.4	50	775	1709	243	9.6	652	25.7	7.0	8.8	302	1989	*	*	*	*	-
16"	235/45 ZR17 XL 97W	8.0	7.5 - 9.0	3.4	50	730	1609	236	9.3	644	25.4	7.0	8.8	251	1964	C	B	B	72	-
	235/60 R17 XL 106V	7.0	6.5 - 8.5	3.5	51	950	2094	240	9.4	714	28.1	8.1	10.2	326	2178	*	*	*	*	-
	225/45 ZR17 XL 94W	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	7.5	9.4	247	1934	C	B	B	72	-
	225/50 R17 XL 98V	7.0	6.0 - 8.0	3.4	50	690	1521	233	9.2	658	25.9	7.5	9.4	257	2007	C	B	B	72	-
	225/55 ZR17 XL 101W	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	7.0	8.8	265	2074	C	B	B	72	-
	215/45 R17 XL 91V	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	7.5	9.4	244	1909	C	B	B	72	-
	215/50 ZR17 XL 95W	7.0	6.0 - 7.0	3.4	50	690	1521	226	8.9	648	25.5	7.0	8.8	253	1976	C	B	B	72	-
	215/55 ZR17 XL 98W	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	7.0	8.8	261	2037	C	B	B	72	-
	215/65 R17 XL 103V	6.5	6.0 - 7.5	3.4	50	875	1929	221	8.7	712	28.0	7.5	9.4	278	2172	B	B	B	72	-
	205/45 R17 XL 88V	7.0	6.5 - 7.5	3.4	50	560	1235	206	8.1	616	24.3	7.5	9.4	240	1879	D	B	B	72	-
205/50 ZR17 XL 93W	6.5	5.5 - 7.0	3.4	50	650	1433	214	8.4	638	25.1	7.0	8.8	249	1946	C	B	B	72	-	
205/55 R17 XL 95V	6.5	5.5 - 7.5	3.4	50	825	1819	214	8.4	658	25.9	7.5	9.4	304	2007	C	B	B	72	-	
16"	225/55 R16 XL 99V	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	654	25.7	7.5	9.4	255	1995	C	B	B	72	-
	215/45 R16 XL 90V	7.0	7.0 - 8.0	3.4	50	600	1323	213	8.4	600	23.6	7.5	9.4	279	1830	D	B	B	70	-
	215/55 R16 XL 97V	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	7.5	9.4	250	1958	C	B	B	72	-
	215/60 R16 XL 99V	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	7.5	9.4	259	2025	C	B	B	72	-
	215/65 R16 XL 102V	6.5	6.0 - 7.5	3.4	50	850	1874	221	8.7	642	25.3	7.5	9.4	250	1958	C	B	B	72	-
	205/45 R16 XL 87V	7.0	6.5 - 7.5	3.4	50	545	1201	206	8.1	590	23.2	7.5	9.4	275	1800	D	B	B	70	-
	205/50 R16 87V	6.5	5.5 - 7.5	3.5	51	545	1201	214	8.4	612	24.1	7.5	9.4	283	1867	D	B	B	70	-
	205/55 R16 XL 94V	6.5	5.5 - 7.5	3.5	51	615	1356	214	8.4	632	24.9	8.0	10.1	247	1928	C	B	B	72	-
	205/55 R16 91H	6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	8.0	10.1	247	1928	C	B	B	72	-
	205/60 R16 XL 96V	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	664	26.1	7.5	9.4	259	2025	C	B	B	72	-
	195/55 R16 XL 91V	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	7.5	9.4	287	1891	D	B	B	72	-
195/60 R16 XL 93V	6.0	5.5 - 7.0	3.4	50	650	1433	201	7.9	640	25.2	7.5	9.4	294	1952	C	B	B	70	-	
185/55 R16 XL 87V	6.0	5.0 - 6.5	3.4	50	545	1201	194	7.6	610	24.0	7.5	9.4	283	1861	D	B	B	69	-	
175/60 R16 82H	5.0	5.0 - 6.0	3.5	51	475	1047	177	7.0	616	24.3	7.5	9.4	285	1879	D	B	B	69	-	

XL : Extra Load

* EU labeling available in 2022





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- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)

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- Prestaciones equilibradas y constantes durante todo el año
- Excelente agarre y frenado en mojado
- Excelente tracción sobre nieve
- Marcate M+S y símbolo del copo de nieve (3PMSF)

Русский

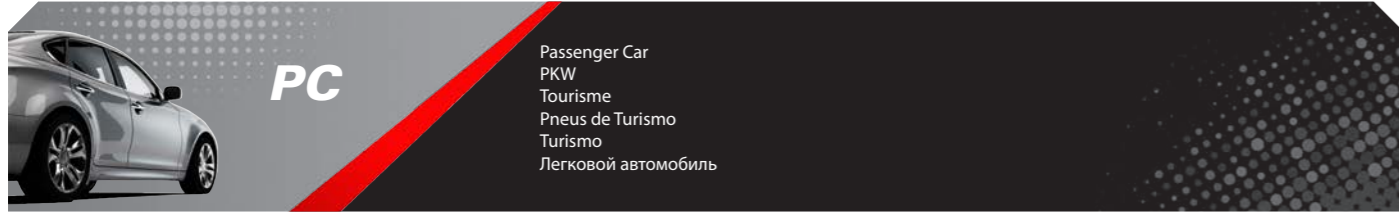
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- Прекрасное сцепление и торможение на мокрых дорогах
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HA32

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure	Max. Load	Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector				
						bar	psi	kg	lbs				mm	inch	mm		inch	mm	x/32"	mm
Black Sidewall																				
15"	205/65 R15 XL 99V	6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	647	25.5	7.5	9.4	252	1973	C	B	B	72	-
	195/50 R15 82H	6.0	5.5 - 7.0	3.5	51	475	1047	201	7.9	577	22.7	7.5	9.4	225	1760	D	B	B	72	-
	195/55 R15 85H	6.0	5.5 - 7.0	3.5	51	515	1135	201	7.9	595	23.4	7.5	9.4	232	1815	D	B	B	72	-
	195/60 R15 88H	6.0	5.5 - 7.0	3.5	51	560	1235	201	7.9	615	24.2	7.5	9.4	240	1876	D	B	B	72	-
	195/65 R15 XL 95V	6.0	5.5 - 7.0	3.5	51	615	1356	201	7.9	635	25.0	8.0	10.1	248	1937	C	B	B	72	-
	195/65 R15 91H	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	8.0	10.1	248	1937	C	B	B	72	-
	185/55 R15 XL 86H	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	7.5	9.4	228	1784	D	B	B	71	-
	185/60 R15 XL 88H	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	7.5	9.4	235	1839	D	B	B	71	-
	185/65 R15 XL 92V	5.5	5.0 - 6.5	3.5	51	560	1235	189	7.4	621	24.4	8.0	10.1	242	1894	C	B	B	69	-
	185/65 R15 88H	5.5	5.0 - 6.5	3.4	50	630	1389	189	7.4	621	24.4	7.5	9.4	284	1894	D	B	B	71	-
	175/55 R15 77T	5.5	5.0 - 6.0	3.5	50	412	908	182	7.2	573	22.6	7.5	9.4	224	1748	D	B	B	71	-
	175/65 R15 84H	5.0	5.0 - 6.0	3.5	50	500	1102	177	7.0	609	24.0	7.5	9.4	238	1858	D	B	B	71	-
165/60 R15 77H	5.0	4.5 - 6.0	3.5	51	412	908	170	6.7	579	22.8	7.5	9.4	268	1766	D	C	B	69	-	
165/65 R15 81T	5.0	4.5 - 6.0	3.5	50	462	1019	170	6.7	597	23.5	7.5	9.4	275	1821	D	B	B	71	-	
14"	185/60 R14 82H	5.5	5.0 - 6.5	3.5	51	475	1047	189	7.4	578	22.8	7.5	9.4	225	1763	D	B	B	71	-
	185/65 R14 86H	5.5	5.0 - 6.5	3.5	51	530	1168	189	7.4	596	23.5	7.5	9.4	272	1818	D	B	B	69	-
	175/65 R14 82T	5.0	5.0 - 6.0	3.5	51	475	1047	177	7.0	584	23.0	8.0	10.1	228	1781	D	B	B	71	-
	175/70 R14 XL 88T	5.0	4.5 - 6.0	3.4	50	560	1235	177	7.0	602	23.7	7.5	9.4	274	1836	D	B	B	69	-
	165/60 R14 75H	5.0	4.5 - 6.0	3.5	51	387	853	170	6.7	554	21.8	7.5	9.4	216	1690	D	B	B	71	-
	165/65 R14 79T	5.0	4.5 - 6.0	3.5	51	437	963	170	6.7	570	22.4	7.5	9.4	222	1739	D	B	B	71	-
13"	165/70 R14 XL 85T	5.0	4.0 - 5.5	3.4	50	515	1135	170	6.7	588	23.1	7.5	9.4	229	1793	D	B	B	71	-
	155/65 R14 75T	4.5	4.5 - 5.5	3.5	51	387	853	157	6.2	558	22.0	7.5	9.4	257	1702	D	B	B	71	-
	155/70 R13 75T	4.5	4.0 - 5.0	3.5	51	387	853	157	6.2	548	21.6	7.5	9.4	250	1671	D	C	B	69	-
	155/80 R13 79T	4.5	4.0 - 5.0	3.5	51	437	963	157	6.2	578	22.8	7.5	9.4	262	1763	D	C	B	69	-
145/80 R13 75T	4.0	3.5 - 5.0	3.5	51	387	853	145	5.7	562	22.1	7.5	9.4	256	1714	D	C	B	69	-	

XL : Extra Load



EU All Season Performance

SOLUS 4S HA31



English

- Optimal performance for all seasons
- Excellent handling on wet road & Enhanced traction on snowy road
- Improvement of control stability through achieving maximum interlocking of tread blocks in a most stable honeycomb structure
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol

Deutsch

- Optimiert für alle Jahreszeiten.
- Ausgezeichnetes Handling auf nasser Fahrbahn sowie stärkere Traktion auf schneebedeckter Fahrbahn
- Verbesserte Lenkstabilität durch maximale Verzahnung der Profilblöcke in einer absolut stabilen Bienenwabenstruktur
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)

Français

- Performance optimale en toutes saisons
- Excellente tenue de route sur sol mouillé et traction sur sol enneigé améliorée
- Amélioration de la stabilité grâce à l'enclenchement des blocs de la bande de roulement sous forme de structure en nid d'abeille
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)

Português

- Ótimo desempenho para todas as estações
- Dirigibilidade excelente em pavimentos molhados e tração realçada em pavimentos de lama e neve
- Melhor estabilidade no controle através da obtenção do máximo profundidade dos blocos da banda em uma estrutura hexagonal mais estável
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)

Español

- Óptimo rendimiento en todas las estaciones
- Excelente manejo en caminos húmedos y tracción mejorada sobre caminos con nieve
- Mejor estabilidad lograda por una estructura más estable a través de los bloques entrelazados por el panal
- Marcate M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)

Русский

- Оптимальная эффективность для круглогодичной эксплуатации
- Отличная управляемость на мокрой дороге и улучшенные тяговые характеристики на заснеженной дороге
- Улучшенная стабильность управления достигнута за счет максимального переплетения блоков протектора в наиболее устойчивой сотовой структуре
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Award & Test Results

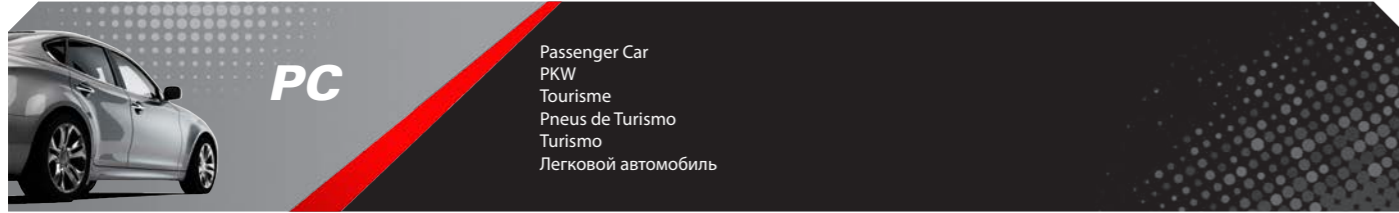


Auto Bild (2014.09)
: Satisfactory

HA31

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector		
				bar	psi	kg	lbs	mm	inch	mm	inch				mm	mm	RR		Wet Grip	Noise(dB)
Black Sidewall																				
18"	225/40 R18 XL 92V	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	9.0	11.3	299	1943	D	C	B	71	o
	225/45 R18 XL 95V	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	7.8	9.8	307	2010	C	C	B	71	o
17"	235/45 R17 XL 97V	8.0	7.5 - 9.0	3.4	50	730	1609	236	9.3	669	26.3	8.8	11.1	308	2040	C	C	B	69	o
	225/45 R17 XL 94V	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	7.8	9.8	295	1934	D	C	B	71	o
	225/50 R17 XL 98V	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	7.8	9.8	304	2007	C	C	B	71	o
	225/55 R17 XL 101V	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	8.8	11.1	313	2074	C	C	B	71	o
	215/45 R17 XL 91V	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	7.8	9.8	292	1909	D	C	B	71	o
	215/50 R17 XL 95V	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	7.8	9.8	300	1976	C	C	B	71	o
16"	215/55 R17 XL 98V	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	7.8	9.8	308	2037	C	C	B	71	o
	205/45 R17 XL 88V	7.0	6.5 - 7.5	3.4	50	560	1235	206	8.1	616	24.3	7.8	9.8	288	1879	C	C	B	71	o
	205/50 R17 XL 93V	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	7.8	9.8	296	1946	D	C	B	71	o
	205/55 R17 XL 95V	6.5	5.5 - 7.5	3.4	50	690	1521	214	8.4	658	25.9	7.8	9.8	304	2007	C	C	B	71	o
	225/55 R16 XL 99V	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	654	25.7	8.8	11.1	300	1995	C	C	B	71	o
	225/60 R16 XL 102H	6.5	6.0 - 8.0	3.4	50	850	1874	228	9.0	676	26.6	8.8	11.1	308	2062	C	C	B	71	-
	215/55 R16 XL 97H	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	8.8	11.1	295	1958	C	C	B	71	o
	215/60 R16 95H	6.5	6.0 - 7.5	3.5	51	690	1521	221	8.7	664	26.1	7.8	9.8	304	2025	C	C	B	71	-
	215/65 R16 98H	6.5	6.0 - 7.5	3.5	51	750	1653	221	8.7	686	27.0	7.8	9.8	312	2092	C	C	B	71	-
	205/45 R16 83H	7.0	6.5 - 7.5	3.5	51	487	1074	206	8.1	590	23.2	7.8	9.8	275	1800	D	C	B	71	-
	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	D	C	B	71	o
	205/55 R16 91H	6.5	5.5 - 7.5	3.5	51	615	1356	214	8.4	632	24.9	7.8	9.8	291	1928	D	C	B	71	o
15"	205/60 R16 XL 96V	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	7.8	9.8	299	1989	D	C	B	71	-
	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	D	C	B	71	o
	195/60 R16 89H	6.0	5.5 - 7.0	3.5	51	580	1279	201	7.9	640	25.2	7.8	9.8	294	1952	C	C	B	71	-
	185/50 R16 81H	6.0	5.0 - 6.5	3.5	51	462	1019	194	7.6	592	23.3	8.8	11.1	276	1806	C	C	B	71	o
	185/55 R16 XL 87V	6.0	5.0 - 6.5	3.4	50	545	1201	194	7.6	610	24.0	7.8	9.8	283	1861	C	C	B	71	o
	215/65 R15 96H	6.5	6.0 - 7.5	3.5	51	710	1565	221	8.7	661	26.0	8.8	11.1	300	2016	C	C	B	71	-
	205/60 R15 91V	6.0	5.5 - 7.5	3.5	51	615	1356	209	8.2	627	24.7	8.8	11.1	286	1912	D	C	B	71	-
	205/60 R15 91H	6.0	5.5 - 7.5	3.5	51	615	1356	209	8.2	627	24.7	8.8	11.1	286	1912	D	C	B	71	-
205/65 R15 94V	6.0	5.5 - 7.5	3.5	51	670	1477	209	8.2	647	25.5	8.8	11.1	294	1973	D	C	B	71	-	
195/50 R15 82V	6.0	5.5 - 7.0	3.5	51	475	1047	201	7.9	577	22.7	7.8	9.8	267	1760	D	C	B	71	o	
195/50 R15 82H	6.0	5.5 - 7.0	3.5	51	475	1047	201	7.9	577	22.7	7.8	9.8	267	1760	D	C	B	71	o	
195/55 R15 85H	6.0	5.5 - 7.0	3.5	51	515	1135	201	7.9	595	23.4	7.8	9.8	274	1815	D	C	B	71	o	
195/60 R15 88H	6.0	5.5 - 7.0	3.5	51	560	1235	201	7.9	615	24.2	7.8	9.8	282	1876	D	C	B	71	-	
195/65 R15 XL 95V	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	7.8	9.8	290	1937	D	C	B	71	-	
195/65 R15 91T	6.0	5.5 - 7.0	3.5	51	615	1356	201	7.9	635	25.0	7.8	9.8	290	1937	D	C	B	71	-	
195/65 R15 91H	6.0	5.5 - 7.0	3.5	51	615	1356	201	7.9	635	25.0	7.8	9.8	290	1937	D	C	B	71	-	
185/55 R15 XL 86H	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	7.8	9.8	270	1784	D	C	B	71	o	
185/60 R15 XL 88H	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	7.8	9.8	277	1839	D	C	B	71	-	
185/65 R15 88T	5.5	5.0 - 6.5	3.5	51	560	1235	189	7.4	621	24.4	7.8	9.8	284	1894	D	C	B	71	-	
185/65 R15 88H	5.5	5.0 - 6.5	3.5	51	560	1235	189	7.4	621	24.4	7.8	9.8	284	1894	D	C	B	71	-	
175/55 R15 77T	5.5	5.0 - 6.0	3.5	51	412	908	182	7.2	573	22.6	7.8	9.8	265	1748	D	C	B	71	o	
175/65 R15 84T	5.0	5.0 - 6.0	3.5	51	500	1102	177	7.0	609	24.0	7.8	9.8	279	1857	C	C	B	71	-	
165/60 R15 XL 81T	4.5	4.5 - 6.0	3.4	50	462	1019	157	6.2	567	22.3	7.8	9.8	263	1729	D	C	B	71	-	
165/65 R15 81T	5.0	4.5 - 6.0	3.5	51	462	1019	170	6.7	595	23.4	8.8	11.1	274	1815	D	C	B	71	-	
155/60 R15 74T	4.5	4.5 - 5.5	3.5	51	375	827	157	6.2	567	22.3	8.8	11.1	263	1729	D	C	B	71	-	

XL : Extra Load



EU All Season Performance

SOLUS 4S HA31



English

- Optimal performance for all seasons
- Excellent handling on wet road & Enhanced traction on snowy road
- Improvement of control stability through achieving maximum interlocking of tread blocks in a most stable honeycomb structure
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol

Deutsch

- Optimiert für alle Jahreszeiten.
- Ausgezeichnetes Handling auf nasser Fahrbahn sowie stärkere Traktion auf schneebedeckter Fahrbahn
- Verbesserte Lenkstabilität durch maximale Verzahnung der Profilblöcke in einer absolut stabilen Bienenwabenstruktur
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)

Français

- Performance optimale en toutes saisons
- Excellente tenue de route sur sol mouillé et traction sur sol enneigé améliorée
- Amélioration de la stabilité grâce à l'enclenchement des blocs de la bande de roulement sous forme de structure en nid d'abeille
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)

Português

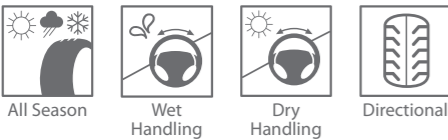
- Ótimo desempenho para todas as estações
- Dirigibilidade excelente em pavimentos molhados e tração realçada em pavimentos de lama e neve
- Melhor estabilidade no controle através da obtenção do máximo profundidade dos blocos da banda em uma estrutura hexagonal mais estável
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)

Español

- Ótimo rendimiento en todas las estaciones
- Excelente manejo en caminos húmedos y tracción mejorada sobre caminos con nieve
- Mejor estabilidad lograda por una estructura más estable a través de los bloques entrelazados por el panal
- Marqueje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)

Русский

- Оптимальная эффективность для круглогодичной эксплуатации
- Отличная управляемость на мокрой дороге и улучшенные тяговые характеристики на заснеженной дороге
- Улучшенная стабильность управления достигнута за счет максимального переплетения блоков протектора в наиболее устойчивой сотовой структуре
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Award & Test Results

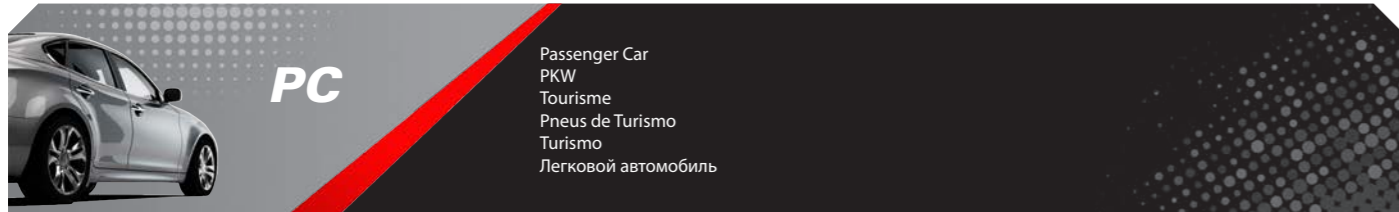


Auto Bild (2014.09)
: Satisfactory

HA31

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure	Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector				
					bar	psi	kg	lbs	mm	inch				mm	inch	mm		mm	RR	Wet Grip	Noise(dB)
Black Sidewall																					
14"	195/70 R14	91T	6.0	5.0 - 6.5	3.5	51	615	1356	201	7.9	630	24.8	8.8	11.1	285	1922	D	C	B	71	-
	185/55 R14	80H	6.0	5.0 - 6.5	3.5	51	450	992	194	7.6	560	22.0	8.8	11.1	258	1708	D	C	B	71	o
	185/60 R14	82T	5.5	5.0 - 6.5	3.5	51	475	1047	189	7.4	578	22.8	8.8	11.1	265	1763	D	C	B	71	-
	185/60 R14	82H	5.5	5.0 - 6.5	3.5	51	475	1047	189	7.4	578	22.8	8.8	11.1	265	1763	D	C	B	71	-
	185/65 R14	86T	5.5	5.0 - 6.5	3.5	51	530	1168	189	7.4	596	23.5	7.8	9.8	272	1818	D	C	B	71	-
	185/65 R14	86H	5.5	5.0 - 6.5	3.5	51	530	1168	189	7.4	596	23.5	7.8	9.8	272	1818	D	C	B	71	-
	185/70 R14	88T	5.5	4.5 - 6.0	3.5	51	560	1235	189	7.4	616	24.3	8.8	11.1	279	1879	C	C	B	71	-
	175/65 R14 XL	86T	5.0	5.0 - 6.0	3.4	50	530	1168	177	7.0	584	23.0	7.8	9.8	267	1781	D	C	B	71	-
	175/65 R14	82T	5.0	5.0 - 6.0	3.5	51	475	1047	177	7.0	584	23.0	7.8	9.8	267	1781	D	C	B	71	-
	175/70 R14	84T	5.0	4.5 - 6.0	3.5	51	500	1102	177	7.0	602	23.7	8.8	11.1	274	1836	D	C	B	71	-
	175/80 R14	88T	5.0	4.5 - 6.0	3.5	51	560	1235	177	7.0	636	25.0	8.8	11.1	287	1940	D	C	B	71	-
	165/60 R14	75H	5.0	4.5 - 6.0	3.5	51	387	853	170	6.7	554	21.8	7.8	9.8	255	1690	D	C	B	71	-
	165/65 R14	79T	5.0	4.5 - 6.0	3.5	51	437	963	170	6.7	570	22.4	7.8	9.8	261	1739	D	C	B	71	-
	165/70 R14	81T	5.0	4.0 - 5.5	3.5	51	462	1019	170	6.7	588	23.1	7.8	9.8	268	1793	D	C	B	71	-
155/65 R14	75T	4.5	4.5 - 5.5	3.5	51	387	853	157	6.2	558	22.0	7.8	9.8	257	1702	D	C	B	71	-	
13"	175/65 R13	80T	5.0	5.0 - 6.0	3.5	51	450	992	177	7.0	558	22.0	8.8	11.1	254	1702	D	C	B	71	-
	175/70 R13	82T	5.0	4.5 - 6.0	3.5	51	475	1047	177	7.0	576	22.7	8.8	11.1	261	1757	D	C	B	71	-
	165/70 R13	79T	5.0	4.0 - 5.5	3.5	51	437	963	170	6.7	562	22.1	8.8	11.1	256	1714	D	C	B	71	-
	155/70 R13	75T	4.5	4.0 - 5.0	3.5	51	387	853	157	6.2	548	21.6	7.8	9.8	250	1671	D	C	B	71	-
	155/80 R13	79T	4.5	4.0 - 5.0	3.5	51	437	963	157	6.2	578	22.8	7.8	9.8	262	1763	D	C	B	71	-
145/80 R13	75T	4.0	3.5 - 5.0	3.5	51	387	853	145	5.7	562	22.1	7.8	9.8	256	1714	D	C	B	71	-	

XL : Extra Load



Winter Alpine

WINTERCRAFT WP72



English

- Innovative tread design and 3D sipe applicaiton for excellent braking performance on wet, snowy and icy roads
- Precise and stable handling on snowy roads
- Low noise and comfortable ride for medium, luxury as well as sports cars



Deutsch

- Innovatives Profildesign mit 3D-Lamellen für hervorragende Bremsleistungen auf nasser, verschneiter und vereister Fahrbahn
- Präzises und stabiles Fahrverhalten auf verschneiter Straße
- Geräuscharmer und komfortabler Winterreifen für Mittel- und Oberklasse sowie Sportwagen



Français

- Bande de roulement conçue avec stries en 3D pour un freinage optimisé sur sol mouillé, enneigé et glacé
- Stabilité et précision de motricité sur route enneigée
- Confort de conduite avec faible nuisance sonore aussi bien pour les véhicules de milieu et haute gamme que la sportive



Português

- Design da banda otimizado e ranhuras 3D para excelente desempenho de frenagem em estradas molhadas, com neve e geladas
- Manobrabilidade precisa e estável na estrada com neve
- Conforto e baixo ruído para veículo de luxo, médio e desportivo



Español

- Diseño del dibujo optimizado con laminillas 3D para maximizar las prestaciones de frenado en carreteras mojadas, con nieve y con hielo.
- Conducción precisa y estable en carreteras nevadas
- Confort y bajo nivel de ruido para vehículos medianos, grandes o deportivos



Русский

- Инновационный дизайн протектора с 3D ламелями для отличного торможения на мокрой, заснеженной и обледенелой дороге.
- Точное и стабильное поведение при вождении на заснеженной дороге
- Тихие и комфортные зимние шины для среднего и люксового класса, а также для спортивных автомобилей



Winter



Snow Handling



Snow Braking



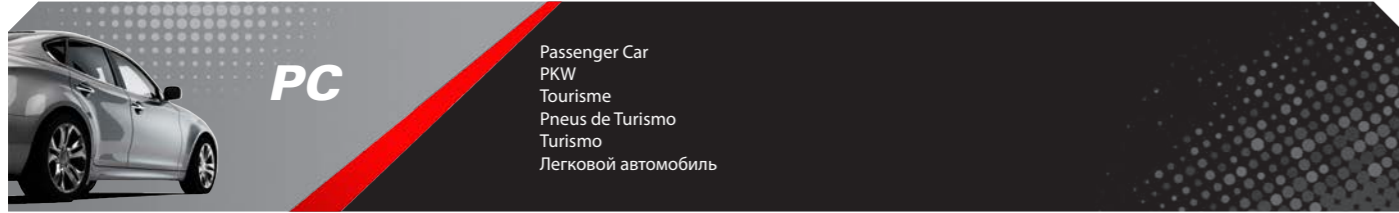
Wet Braking

WP72

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector	
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			mm	mm	RR		Wet Grip
Black Sidewall																				
20"	275/30 ZR20 XL 97W	9.5	9.0 - 10.0	3.4	50	730	1609	278	10.9	674	26.5	8.1	10.2	319	2056	*	*	*	*	o
	275/35 ZR20 XL 102W	9.5	9.0 - 11.0	3.4	50	850	1874	278	10.9	700	27.6	8.1	10.2	329	2135	C	C	B	73	o
	265/35 R20 XL 99V	9.5	9.0 - 10.5	3.4	50	775	1709	271	10.7	694	27.3	8.1	10.2	327	2117	C	C	B	73	o
	265/40 ZR20 XL 104W	9.5	9.0 - 10.5	3.4	50	900	1984	271	10.7	720	28.3	8.1	10.2	337	2196	C	C	B	73	o
	245/35 ZR20 XL 95W	8.5	8.0 - 9.5	3.4	50	690	1521	248	9.8	680	26.8	8.1	10.2	321	2074	*	*	*	*	o
	245/40 ZR20 XL 99W	8.5	8.0 - 9.5	3.4	50	775	1709	248	9.8	704	27.7	8.1	10.2	330	2147	C	C	B	72	o
19"	275/30 ZR19 XL 96W	9.5	9.0 - 10.0	3.4	50	710	1565	278	10.9	649	25.6	8.1	10.2	306	1979	D	C	B	73	o
	275/40 ZR19 XL 105W	9.5	9.0 - 11.0	3.4	50	925	2039	278	10.9	703	27.7	8.1	10.2	327	2144	C	C	B	73	o
	265/35 ZR19 XL 98W	9.5	9.0 - 10.5	3.4	50	750	1653	271	10.7	669	26.3	8.1	10.2	314	2040	C	C	B	73	o
	255/45 R19 XL 104V	8.5	8.0 - 9.5	3.4	50	900	1984	255	10.0	713	28.1	8.6	10.8	331	2175	C	C	B	73	o
	245/35 ZR19 XL 93W	8.5	8.0 - 9.5	3.4	50	650	1433	248	9.8	655	25.8	8.1	10.2	309	1998	C	C	B	72	o
	225/40 R19 XL 93V	8.0	7.5 - 9.0	3.4	50	650	1433	230	9.1	663	26.1	8.1	10.2	312	2022	C	C	B	72	o
18"	275/40 R18 XL 103V	9.5	9.0 - 11.0	3.4	50	875	1929	278	10.9	677	26.7	8.1	10.2	314	2065	C	C	B	73	o
	275/45 R18 XL 107V	9.0	8.5 - 10.5	3.4	50	975	2149	273	10.7	705	27.8	8.6	10.8	325	2150	C	C	B	73	o
	215/45 R18 XL 93V	7.0	7.0 - 8.0	3.4	50	650	1433	213	8.4	651	25.6	8.6	10.8	304	1986	*	*	*	*	o

XL : Extra Load

* EU labeling available in 2022



Winter Alpine

WINTERCRAFT WP52

NEW PRODUCT



English

- Optimal safety for driving in winter season
- Excellent traction and braking performance in snow and ice with Interlocking 3D sipes
- Impressive performance on wet and dry roads at low temperature
- M+S marking and snowflake symbol (3PMSF)



Deutsch

- Optimale und sichere Fahreigenschaften im Winter
- Ineinander greifende 3D-Lamellen für exzellente Traktion und kurze Bremswege auf Schnee und Eis
- Beeindruckende Performance auf nassen und trockenen Strassen bei niedrigen Temperaturen
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)



Français

- Sécurité renforcée pour une conduite en période hivernale
- Excellentes performance de traction et de freinage sur la neige et la glace grâce aux lamelles 3D auto-bloquantes
- Performance impressionnante sur sol sec et mouillé à basse température
- Marquage M+S et 3PMSF pour hiver



Português

- Segurança ideal para condução de inverno
- Excelente desempenho de tração e travagem em neve e gelo com lamelas 3D interligadas
- Desempenho impressionante em estradas molhadas e secas a baixas temperaturas
- Marcação M + S e símbolo de floco de neve (3PMSF)



Español

- Seguridad óptima para conducir en la temporada invernal
- Excelente tracción y frenado en nieve y hielo con laminillas 3D entrelazadas
- Impresionantes prestaciones en mojado y seco a bajas temperaturas.
- Marcate M+S y símbolo del copo de nieve (3PMSF)



Русский

- Оптимальная безопасность для вождения в зимних условиях
- Хорошие характеристики управляемости и торможения на снегу и льду, благодаря самоблокирующимся 3D-ламелям.
- Превосходные характеристики на сухих и мокрых дорогах при низкой температуре и снежной каше от реагентов.
- Маркировка M+S и снежинка с тремя горными пиками (3PMSF) для шин, предназначенных для использования в суровых зимних условиях

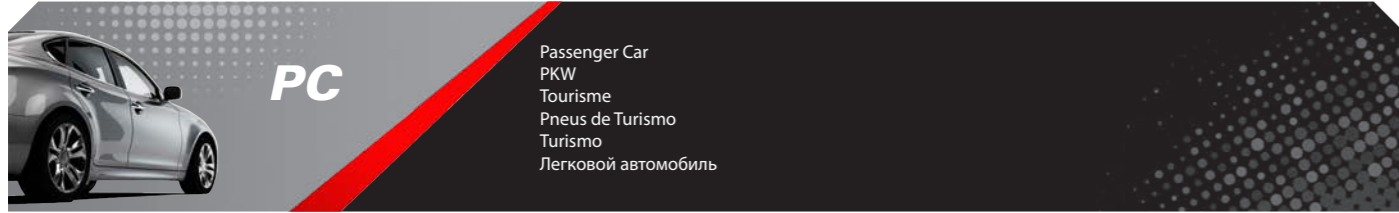


WP52

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector	
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			mm	mm	RR		Wet Grip
Black Sidewall																				
18"	245/40 R18 XL 97W	8.5	8.0 - 9.5	3.4	50	730	1609	248	9.8	653	25.7	8.0	10.1	305	1992	*	*	*	*	○
	245/45 R18 XL 100V	8.0	7.5 - 9.0	3.4	50	800	1764	243	9.6	677	26.7	9.0	11.3	314	2065	*	*	*	*	-
	235/40 R18 XL 95W	8.5	8.0 - 9.5	3.4	50	690	1521	241	9.5	645	25.4	8.0	10.1	302	1967	*	*	*	*	○
	235/45 R18 XL 98V	8.0	7.5 - 9.0	3.4	50	750	1653	236	9.3	669	26.3	8.5	10.7	311	2040	*	*	*	*	-
	235/50 R18 XL 101V	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	8.5	10.7	321	2114	*	*	*	*	-
	225/40 R18 XL 92W	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	8.5	10.7	299	1943	*	*	*	*	○
17"	225/45 R18 XL 95V	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	8.5	10.7	307	2010	*	*	*	*	-
	235/55 R17 XL 103V	7.5	6.5 - 8.5	3.4	50	875	1929	245	9.6	690	27.2	8.5	10.7	317	2105	*	*	*	*	-
	225/45 R17 XL 94V	7.5	8.0 - 9.5	3.4	50	670	1477	225	8.9	634	25.0	9.0	11.3	295	1934	*	*	*	*	-
	225/45 R17 91H	7.5	8.0 - 9.5	3.5	51	615	1356	225	8.9	634	25.0	9.0	11.3	295	1934	*	*	*	*	-
	225/50 R17 XL 98V	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	9.0	11.3	304	2007	*	*	*	*	-
	225/50 R17 94H	7.0	6.0 - 8.0	3.5	51	670	1477	233	9.2	658	25.9	9.0	11.3	304	2007	*	*	*	*	-
	225/55 R17 XL 101V	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	8.5	10.7	313	2074	*	*	*	*	-
	215/55 R17 XL 98V	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	9.0	11.3	308	2037	*	*	*	*	-
	205/45 R17 XL 88V	7.0	6.5 - 7.5	3.4	50	560	1235	206	8.1	616	24.3	8.5	10.7	288	1879	*	*	*	*	-
	205/50 R17 XL 93V	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	8.5	10.7	296	1946	*	*	*	*	-
16"	205/55 R17 XL 95V	6.5	5.5 - 7.5	3.4	50	690	1521	214	8.4	658	25.9	8.5	10.7	304	2007	*	*	*	*	-
	225/55 R16 XL 99V	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	654	25.7	8.5	10.7	300	1995	*	*	*	*	-
	215/45 R16 XL 90V	7.0	7.0 - 8.0	3.4	50	600	1323	213	8.4	600	23.6	8.5	10.7	279	1830	*	*	*	*	-
	215/55 R16 XL 97H	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	8.5	10.7	295	1958	*	*	*	*	-
	215/60 R16 XL 99H	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	8.5	10.7	304	2025	*	*	*	*	-
	215/65 R16 98H	6.5	6.0 - 7.5	3.5	51	750	1653	221	8.7	686	27.0	9.0	11.3	312	2092	*	*	*	*	-
	205/45 R16 XL 87H	7.0	6.5 - 7.5	3.4	50	545	1201	206	8.1	590	23.2	8.5	10.7	275	1800	*	*	*	*	-
	205/55 R16 XL 94V	6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	9.0	11.3	291	1928	*	*	*	*	-
	205/55 R16 91T	6.5	5.5 - 7.5	3.5	51	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	*	*	*	*	-
	205/55 R16 91H	6.5	5.5 - 7.5	3.5	51	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	*	*	*	*	-
	205/60 R16 XL 96H	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	8.5	10.7	299	1989	*	*	*	*	-
	205/60 R16 92H	6.0	5.5 - 7.5	3.5	51	630	1389	209	8.2	652	25.7	8.5	10.7	299	1989	*	*	*	*	-
	205/65 R16 95H	6.0	5.5 - 7.5	3.5	51	690	1521	209	8.2	672	26.5	8.5	10.7	307	2050	*	*	*	*	-
	195/45 R16 XL 84H	6.5	6.0 - 7.5	3.4	50	500	1102	195	7.7	582	22.9	8.5	10.7	272	1775	*	*	*	*	-
195/50 R16 XL 88H	6.0	5.5 - 7.0	3.4	50	560	1235	201	7.9	602	23.7	8.5	10.7	279	1836	*	*	*	*	-	
195/55 R16 XL 91H	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	8.5	10.7	287	1891	*	*	*	*	-	
195/55 R16 87H	6.0	5.5 - 7.0	3.5	51	545	1201	201	7.9	620	24.4	8.5	10.7	287	1891	*	*	*	*	-	
195/60 R16 89H	6.0	5.5 - 7.0	3.5	51	580	1279	209	8.2	652	25.7	8.5	10.7	299	1989	*	*	*	*	-	
195/65 R16 92H	6.0	5.5 - 7.0	3.5	51	630	1389	201	7.9	660	26.0	8.5	10.7	302	2013	*	*	*	*	-	
185/55 R16 83H	6.0	5.0 - 6.5	3.5	51	487	1074	194	7.6	610	24.0	8.5	10.7	283	1861	*	*	*	*	-	
15"	205/65 R15 94H	6.0	5.5 - 7.5	3.5	51	670	1477	209	8.2	647	25.5	8.5	10.7	294	1973	*	*	*	*	-
	195/50 R15 82H	6.0	5.5 - 7.0	3.5	51	475	1047	201	7.9	577	22.7	8.5	10.7	267	1760	*	*	*	*	-
	195/55 R15 85H	6.0	5.5 - 7.0	3.5	51	515	1135	201	7.9	595	23.4	8.5	10.7	274	1815	*	*	*	*	-
	195/60 R15 88T	6.0	5.5 - 7.0	3.5	51	560	1235	201	7.9	615	24.2	8.5	10.7	282	1876	*	*	*	*	-
	195/65 R15 XL 95T	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	9.0	11.3	290	1937	*	*	*	*	-
	195/65 R15 91T	6.0	5.5 - 7.0	3.5	51	615	1356	201	7.9	635	25.0	9.0	11.3	290	1937	*	*	*	*	-
	195/65 R15 91H	6.0	5.5 - 7.0	3.5	51	615	1356	201	7.9	635	25.0	9.0	11.3	290	1937	*	*	*	*	-
	185/55 R15 82T	6.0	5.0 - 6.5	3.5	51	475	1047	194	7.6	585	23.0	8.5	10.7	270	1784	*	*	*	*	-
185/55 R15 XL 86H	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	8.5	10.7	270	1784	*	*	*	*	-	
185/60 R15 XL 88T	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	8.5	10.7	277	1839	*	*	*	*	-	

XL : Extra Load

* EU labeling available in 2022



Winter Alpine

WINTERCRAFT WP52

NEW PRODUCT



English

- Optimal safety for driving in winter season
- Excellent traction and braking performance in snow and ice with Interlocking 3D sipes
- Impressive performance on wet and dry roads at low temperature
- M+S marking and snowflake symbol (3PMSF)

Deutsch

- Optimale und sichere Fahreigenschaften im Winter
- Ineinander greifende 3D-Lamellen für exzellente Traktion und kurze Bremswege auf Schnee und Eis
- Beeindruckende Performance auf nassen und trockenen Strassen bei niedrigen Temperaturen
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)

Français

- Sécurité renforcée pour une conduite en période hivernale
- Excellentes performance de traction et de freinage sur la neige et la glace grâce aux lamelles 3D auto-bloquantes
- Performance impressionnante sur sol sec et mouillé à basse température
- Marquage M+S et 3PMSF pour hiver

Português

- Segurança ideal para condução de inverno
- Excelente desempenho de tração e travagem em neve e gelo com lamelas 3D interligadas
- Desempenho impressionante em estradas molhadas e secas a baixas temperaturas
- Marcação M + S e símbolo de floco de neve (3PMSF)

Español

- Seguridad óptima para conducir en la temporada invernal
- Excelente tracción y frenado en nieve y hielo con laminillas 3D entrelazadas
- Impresionantes prestaciones en mojado y seco a bajas temperaturas.
- Marcaje M+S y símbolo del copo de nieve (3PMSF)

Русский

- Оптимальная безопасность для вождения в зимних условиях
- Хорошие характеристики управляемости и торможения на снегу и льду, благодаря самоблокирующимся 3D-ламелям.
- Превосходные характеристики на сухих и мокрых дорогах при низкой температуре и снежной каше от реагентов.
- Маркировка M+S и снежинка с тремя горными пиками (3PMSF) для шин, предназначенных для использования в суровых зимних условиях

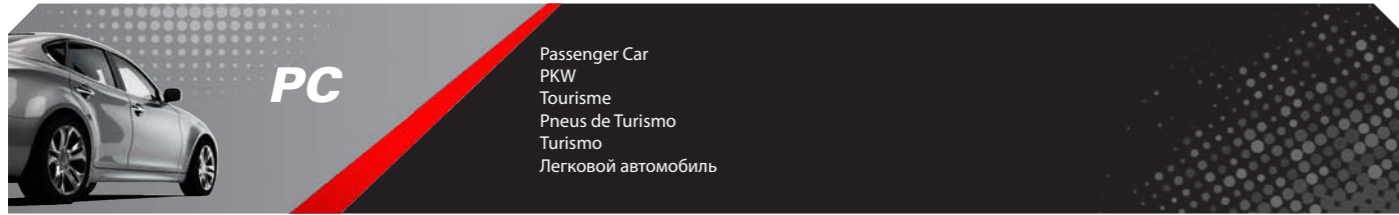


Winter Snow Handling Snow Braking Wet Braking

WP52

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector		
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			mm	mm	RR		Wet Grip	Noise(dB)
Black Sidewall																					
15"	185/60 R15 84T	5.5	5.0 - 6.5	3.5	51	500	1102	189	7.4	603	23.7	8.5	10.7	277	1839	*	*	*	*	-	
	185/65 R15 88T	5.5	5.0 - 6.5	3.5	51	560	1235	189	7.4	621	24.4	9.0	11.3	284	1894	*	*	*	*	-	
	185/65 R15 88H	5.5	5.0 - 6.5	3.5	51	560	1235	189	7.4	621	24.4	9.0	11.3	284	1894	*	*	*	*	-	
	175/65 R15 84T	5.0	5.0 - 6.0	3.5	51	500	1102	177	7.0	609	24.0	8.5	10.7	279	1857	*	*	*	*	-	
14"	165/65 R15 81T	5.0	4.5 - 6.0	3.5	51	462	1019	170	6.7	595	23.4	8.5	10.7	274	1815	*	*	*	*	-	
	185/60 R14 82T	5.5	5.0 - 6.5	3.5	51	475	1047	189	7.4	578	22.8	8.5	10.7	265	1763	*	*	*	*	-	
	185/65 R14 86T	5.5	5.0 - 6.5	3.5	51	530	1168	189	7.4	596	23.5	8.5	10.7	272	1818	*	*	*	*	-	
	185/70 R14 88T	5.5	4.5 - 6.0	3.5	51	560	1235	189	7.4	616	24.3	8.5	10.7	279	1879	*	*	*	*	-	
	175/65 R14 82T	5.0	5.0 - 6.0	3.5	51	475	1047	177	7.0	584	23.0	9.0	11.3	267	1781	*	*	*	*	-	
	175/70 R14 84T	5.0	4.5 - 6.0	3.5	51	500	1102	177	7.0	602	23.7	8.5	10.7	274	1836	*	*	*	*	-	
	165/60 R14 XL 79T	5.0	4.5 - 6.0	3.4	50	437	963	170	6.7	554	21.8	8.5	10.7	255	1690	*	*	*	*	-	
13"	165/65 R14 79T	5.0	4.5 - 6.0	3.5	51	437	963	170	6.7	570	22.4	8.5	10.7	261	1739	*	*	*	*	-	
	165/70 R14 81T	5.0	4.0 - 5.5	3.5	51	462	1019	170	6.7	588	23.1	8.5	10.7	268	1793	*	*	*	*	-	
	155/65 R14 75T	4.5	4.5 - 5.5	3.5	51	387	853	157	6.2	558	22.0	8.5	10.7	257	1702	*	*	*	*	-	
	175/70 R13 82T	5.0	4.5 - 6.0	3.5	51	475	1047	177	7.0	576	22.7	8.5	10.7	261	1757	*	*	*	*	-	
13"	155/70 R13 75T	4.5	4.0	5.0	3.5	51	387	853	157	6.2	523	20.6	8.5	10.7	240	1595	*	*	*	*	-
	155/80 R13 79T	4.5	4.0	5.0	3.5	51	437	963	157	6.2	578	22.8	8.5	10.7	262	1763	*	*	*	*	-

XL : Extra Load
* EU labeling available in 2022



Winter Alpine

WINTERCRAFT WP51



English

- Excellent performance on snowy road
- Optimised performance at low temperature
- 3D Snow Sipe
- Improved water displacement by lateral grooves
- Maximised handling and braking performance through high technological standards
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol



Deutsch

- Ausgezeichnete Performance auf verschneiter Fahrbahn
- Optimierte Fahrleistung bei niedrigen Temperaturen
- 3D-Schneelamellen
- Verbesserte Wasserverdrängung durch Querrillen
- Optimales Handling und exzellentes Bremsverhalten durch hohe technologische Standards
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)



Français

- Excellentes performances sur routes enneigées
- Performances optimisées pour les températures basses
- Lamelles 3D
- Amélioration de l'évacuation de l'eau grâce à des rainures latérales
- Tenue de route optimisée et freinage amélioré grâce aux plus hauts standards technologiques
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)



Português

- Excelente desempenho e condições de neve.
- Desempenho otimizado em baixas temperaturas
- Ranhuras tri dimensionais para neve
- Sulcos laterais melhoram a drenagem de água
- O elevados padrões de tecnologia melhoram a dirigibilidade e desempenho em frenagens
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)



Español

- Excelente rendimiento en carretera nevada
- Rendimiento optimizado para bajas temperaturas
- Laminillas 3D para nieve
- Mejor drenaje de agua gracias a ranuras laterales
- Maximo rendimiento de manejo y frenado gracias a aplicación de altos estándares tecnológicos
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)



Русский

- Отличные характеристики на заснеженной дороге
- Оптимизированные характеристики при низких температурах
- 3D канавки для выведения снега
- Улучшенное выведение воды благодаря поперечным канавкам протектора
- Оптимизированные характеристики управляемости и торможения в соответствии с высокими технологическими стандартами
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Award & Test Results



ADAC (2018.09)
: Satisfactory



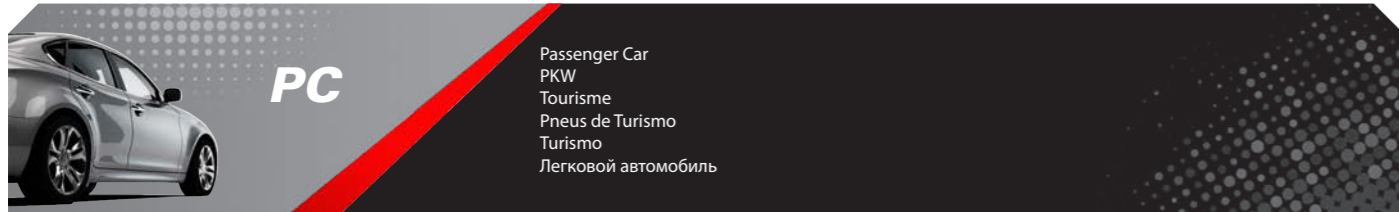
ACE (2018.09)
: Recommendable



WP51

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling				Rim Protector		
				bar	psi	kg	lbs	mm	inch	mm	inch				mm	inch	RR	Wet Grip		Noise(dB)	
Black Sidewall																					
17"	225/60 R17	99H	5.5	5.0 - 6.5	3.5	44	500	1102	189	7.4	603	23.7	9.0	11.3	277	1839	D	C	B	70	-
	215/40 R17	XL 87V	6.0	5.5 - 7.5	3.5	44	670	1477	209	8.2	647	25.5	8.8	11.1	294	1973	D	C	B	70	-
	215/50 R17	XL 95H	5.0	5.0 - 6.0	3.5	44	500	1102	177	7.0	609	24.0	8.8	11.1	279	1857	E	C	B	70	-
	215/60 R17	96H	5.0	4.5 - 6.0	3.5	44	462	1019	170	6.7	595	23.4	8.8	11.1	274	1815	C	C	B	70	-
16"	235/60 R16	100H	6.5	5.5 - 7.5	3.5	44	545	1202	214	8.4	612	24.1	8.8	11.1	283	1867	D	C	B	70	o
	225/60 R16	XL 102V	6.0	5.5 - 7.0	3.5	44	580	1279	201	7.9	640	25.2	8.8	11.1	294	1952	D	C	B	70	-
	215/45 R16	XL 90V	6.0	5.5 - 7.0	3.5	44	475	1047	194	7.6	577	22.7	8.8	11.1	267	1760	D	C	B	70	o
	215/55 R16	XL 97H	6.0	5.5 - 7.0	3.5	44	545	1202	201	7.9	620	24.4	8.8	11.1	287	1891	D	C	B	70	-
	215/55 R16	93H	4.5	4.5 - 5.5	3.5	44	375	827	157	6.2	567	22.3	8.8	11.1	263	1729	C	C	B	70	-
	215/60 R16	XL 99H	6.0	5.5 - 7.0	3.5	44	560	1235	201	7.9	615	24.2	8.8	11.1	282	1876	D	C	B	70	-
	215/65 R16	98H	7.0	6.5 - 7.5	3.4	50	545	1202	206	8.1	590	23.2	8.8	11.1	275	1800	D	C	B	70	o
	205/45 R16	XL 87H	5.5	5.0 - 6.0	3.5	44	387	853	182	7.2	557	21.9	8.8	11.1	259	1699	D	C	B	70	o
	205/50 R16	87H	5.5	5.0 - 6.0	3.5	44	412	908	182	7.2	573	22.6	8.8	11.1	265	1748	D	C	B	70	-
	205/55 R16	91H	6.5	5.5 - 7.5	3.5	44	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	E	C	B	70	-
	205/55 R16	91T	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	8.8	11.1	299	1989	E	C	B	70	-
	205/55 R16	91V	5.0	5.0 - 6.0	3.5	44	462	1019	177	7.0	591	23.3	8.8	11.1	272	1803	E	C	B	70	-
205/55 R16	XL 94H	5.0	4.5 - 6.0	3.4	50	437	963	170	6.7	554	21.8	8.8	11.1	255	1690	D	C	B	70	-	
205/60 R16	XL 96H	6.5	6.0 - 7.5	3.5	44	750	1653	221	8.7	686	27.0	8.8	11.1	312	2092	D	C	B	70	-	
205/60 R16	92H	6.0	5.0 - 6.5	3.5	44	450	992	194	7.6	560	22.0	8.8	11.1	258	1708	C	C	B	70	-	
195/45 R16	XL 84H	6.0	5.5 - 7.5	3.5	44	615	1356	209	8.2	627	24.7	8.8	11.1	286	1912	E	C	B	70	-	
195/50 R16	XL 88H	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	9.0	11.3	290	1937	D	C	B	70	-	
195/55 R16	87H	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	8.8	11.1	304	2025	D	C	B	70	-	
195/60 R16	89H	6.0	5.5 - 7.5	3.5	44	670	1477	209	8.2	647	25.5	8.8	11.1	294	1973	D	C	B	70	-	
185/50 R16	81H	6.0	5.0 - 6.5	3.5	44	487	1074	194	7.6	610	24.0	8.8	11.1	283	1861	D	C	B	70	-	
185/55 R16	83H	6.5	6.0 - 7.5	3.5	44	710	1565	221	8.7	661	26.0	8.8	11.1	300	2016	E	C	B	70	-	
15"	215/65 R15	96H	6.0	5.5 - 7.0	3.5	44	515	1135	201	7.9	595	23.4	8.8	11.1	274	1815	D	C	B	70	-
	205/60 R15	91H	6.5	6.0 - 7.5	3.4	50	500	1102	195	7.7	582	22.9	8.8	11.1	272	1775	E	C	B	70	o
	205/65 R15	94H	6.0	5.5 - 7.0	3.4	50	560	1235	201	7.9	602	23.7	8.8	11.1	279	1836	E	C	B	70	o
	205/65 R15	94T	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	8.8	11.1	270	1784	E	C	B	70	-
	195/50 R15	82H	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	8.8	11.1	295	1958	E	C	B	70	-
	195/55 R15	85H	7.0	6.0 - 7.5	3.5	44	650	1433	226	8.9	642	25.3	8.8	11.1	295	1958	D	C	B	70	-
	195/60 R15	88H	6.0	5.5 - 7.5	3.5	44	630	1389	209	8.2	652	25.7	8.8	11.1	299	1989	D	C	B	70	-
	195/60 R15	88T	6.0	5.5 - 7.0	3.5	44	560	1235	201	7.9	615	24.2	8.8	11.1	282	1876	D	C	B	70	-
	195/65 R15	91T	6.5	5.5 - 7.5	3.5	44	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	D	C	B	70	-
	195/65 R15	91H	6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	9.0	11.3	291	1928	D	C	B	70	-
	195/65 R15	XL 95T	6.5	5.5 - 7.5	3.5	44	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	D	C	B	70	-
	185/55 R15	XL 86H	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	8.8	11.1	300	1976	D	C	B	70	o
185/55 R15	82T	5.5	5.0 - 6.5	3.5	44	530	1168	189	7.4	596	23.5	8.8	11.1	272	1818	D	C	B	70	-	
185/60 R15	XL 88T	7.0	6.5 - 8.5	3.5	44	800	1764	240	9.4	688	27.1	8.8	11.1	313	2098	D	C	B	70	-	
185/60 R15	84T	5.5	5.0 - 6.5	3.5	44	475	1047	189	7.4	578	22.8	8.8	11.1	265	1763	D	C	B	70	-	
185/65 R15	88T	7.0	7.0 - 8.0	3.4	50	600	1323	213	8.4	600	23.6	8.8	11.1	279	1830	D	C	B	70	o	
185/65 R15	88H	6.0	5.0 - 6.5	3.5	44	475	1047	194	7.6	585	23.0	8.8	11.1	270	1784	D	C	B	70	-	
175/50 R15	75H	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	9.0	11.3	277	1839	D	C	B	70	-	
175/55 R15	77T	6.0	5.5 - 7.0	3.5	44	615	1356	201	7.9	635	25.0	9.0	11.3	290	1937	D	C	B	70	-	
175/60 R15	81T	5.0	5.0 - 6.0	3.5	44	475	1047	177	7.0	584	23.0	9.0	11.3	267	1781	D	C	B	70	-	
175/65 R15	84T	5.5	5.0 - 6.5	3.5	44	560	1235	189	7.4	621	24.4	9.0	11.3	284	1894	E	C	B	70	-	
165/65 R15	81T	6.0	5.0 - 6.5	3.5	44	462	1019	194	7.6	592	23.3	8.8	11.1	276	1806	D	C	B	70	-	
155/60 R15	74T	6.0	5.5 - 7.0	3.5	44	615	1356	201	7.9	635	25.0	9.0	11.3	290	1937	D	C	B	70	-	

XL : Extra Load



Winter Alpine

WINTERCRAFT WP51



English

- Excellent performance on snowy road
- Optimised performance at low temperature
- 3D Snow Sipe
- Improved water displacement by lateral grooves
- Maximised handling and braking performance through high technological standards
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol



Deutsch

- Ausgezeichnete Performance auf verschneiter Fahrbahn
- Optimierte Fahrleistung bei niedrigen Temperaturen
- 3D-Schneelamellen
- Verbesserte Wasserverdrängung durch Querrillen
- Optimales Handling und exzellentes Bremsverhalten durch hohe technologische Standards
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)



Français

- Excellentes performances sur routes enneigées
- Performances optimisées pour les températures basses
- Lamelles 3D
- Amélioration de l'évacuation de l'eau grâce à des rainures latérales
- Tenue de route optimisée et freinage amélioré grâce aux plus hauts standards technologiques
- Marquage M+S et 3PMSF (3 Pics de Montagnes Symbole Flocon de neige)



Português

- Excelente desempenho e condições de neve.
- Desempenho otimizado em baixas temperaturas
- Ranhuras tri dimensionais para neve
- Sulcos laterais melhoram a drenagem de água
- O elevados padrões de tecnologia melhoram a dirigibilidade e desempenho em frenagens
- Com marcação M+S e símbolo 3PMSF (3 floco de neve em topo de montanha)



Español

- Excelente rendimiento en carretera nevada
- Rendimiento optimizado para bajas temperaturas
- Laminillas 3D para nieve
- Mejor drenaje de agua gracias a ranuras laterales
- Maximo rendimiento de manejo y frenado gracias a aplicación de altos estándares tecnológicos
- Marcaje M+S y 3PMSF (3 Picos de Montaña y Copo de Nieve)



Русский

- Отличные характеристики на заснеженной дороге
- Оптимизированные характеристики при низких температурах
- 3D канавки для выведения снега
- Улучшенное выведение воды благодаря поперечным канавкам протектора
- Оптимизированные характеристики управляемости и торможения в соответствии с высокими технологическими стандартами
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Award & Test Results



ADAC (2018.09)
: Satisfactory

ACE (2018.09)
: Recommendable

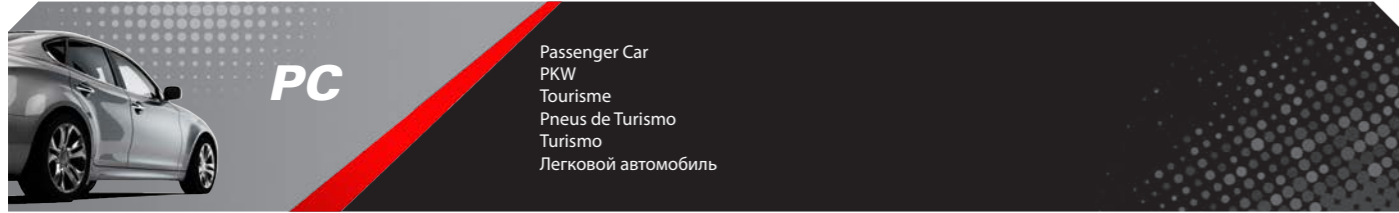
WP51

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector		
				bar	psi	kg	lbs	mm	inch	mm	inch				mm	inch	RR		Wet Grip	Noise(dB)
Black Sidewall																				
14"	185/55 R14 80T	5.5	4.5 - 6.0	3.5	44	560	1235	189	7.6	560	24.3	8.8	11.1	279	1879	D	C	B	70	-
	185/60 R14 82T	6.5	6.0 - 7.5	3.0	44	710	1565	221	7.4	578	27.2	8.8	11.1	317	2105	D	C	B	70	-
	185/65 R14 86T	6.5	6.0 - 8.0	3.4	50	850	1874	228	7.4	596	26.6	8.8	11.1	308	2062	D	C	B	70	-
	185/70 R14 88T	5.0	4.5 - 6.0	3.5	44	437	963	170	7.4	616	22.4	8.8	11.1	261	1739	D	C	B	70	-
	175/65 R14 82T	7.5	7.0 - 8.5	3.4	50	545	1202	218	7.0	584	23.8	8.8	11.1	283	1842	E	C	B	70	o
	175/70 R14 84T	4.5	4.5 - 5.5	3.5	44	387	853	157	7.0	602	22.0	8.8	11.1	257	1702	D	C	B	70	-
	175/80 R14 88T	5.0	4.0 - 5.5	3.5	44	462	1019	170	7.0	636	23.1	8.8	11.1	268	1793	D	C	B	70	-
	165/60 R14 XL 79T	5.0	4.5 - 6.0	3.5	44	500	1102	177	6.7	554	23.7	8.8	11.1	274	1836	D	C	B	70	-
	165/65 R14 79T	6.5	6.0 - 8.0	3.0	44	775	1709	228	6.7	570	27.6	9.0	11.3	321	2141	D	C	B	70	-
	165/70 R14 81T	5.5	5.0 - 6.5	3.5	44	560	1235	189	6.7	588	24.4	9.0	11.3	284	1894	D	C	B	70	-
13"	155/65 R14 75T	5.0	4.5 - 6.0	3.5	44	560	1235	177	6.2	558	25.0	8.8	11.1	287	1940	D	C	B	70	-
	175/70 R13 82T	5.0	4.5 - 6.0	3.5	44	475	1047	177	7.0	576	22.7	8.8	11.1	261	1757	D	C	B	70	-
	165/70 R13 79T	5.0	4.0 - 5.5	3.5	44	437	963	170	6.7	562	22.1	8.8	11.1	256	1714	D	C	B	70	-
	155/70 R13 75T	4.5	4.0 - 5.0	3.5	44	437	963	157	6.2	548	22.8	8.8	11.1	262	1763	D	C	B	70	-
	155/80 R13 79T	4.5	4.0 - 5.0	3.5	44	387	853	157	6.2	578	21.6	8.8	11.1	250	1671	D	C	B	70	-
145/80 R13 75T	4.0	3.5 - 5.0	3.5	44	387	853	145	5.7	562	22.1	8.8	11.1	256	1714	D	C	B	70	-	

XL : Extra Load

XRP Run-flat

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector		
				bar	psi	kg	lbs	mm	inch	mm	inch				mm	inch	RR		Wet Grip	Noise(dB)
Black Sidewall																				
16"	205/55R16 91H	6.5	5.5 - 7.5	3.5	44	615	1356	214	8.4	632	24.9	8.3	10.5	291	1928	E	C	B	72	-
	195/55R16 87H	6.0	5.5 - 7.0	3.5	44	545	1202	201	7.9	620	24.4	8.3	10.5	287	1891	E	D	B	72	-



Winter Arctic (Studdable)

WINTERCRAFT ice wi32

NEW PRODUCT



English

- Reliable and safe for driving in extreme winter
- Excellent performance on ice and snow with new stud design
- Balanced Performance on Wet & Dry Roads
- Low Noise Level and Good Comfort on Asphalt
- M+S marking, snowflake(3PMSF) and ice grip symbol



Deutsch

- Zuverlässige und sichere Fahreigenschaften bei extremen Winterverhältnissen
- Neues Spike Design für exzellente Performance auf Eis und Schnee
- Ausgewogene Performance bei Nässe und im Trockenen
- Leise und komfortabel auf trockener Fahrbahn
- Mit M+S-Kennzeichnung, Schneeflocken(3PMSF) und Eis-Grip-Symbol



Français

- Pneu fiable et sûr pour la conduite en condition hivernale extrême
- Excellentes performances sur la glace et la neige grâce au nouveau design à clous
- Performance équilibrée sur sol sec et mouillé
- Faible niveau de bruit et confort optimale sur l'asphalte
- Marquage M+S, 3PMSF et symbole d'adhérence sur glace/verglas



Português

- Confiável e seguro para conduzir em extremo inverno
- Excelente desempenho no gelo e neve com novo design de vigas
- Desempenho equilibrado em estradas molhadas e secas
- Baixo nível de ruído e bom conforto no asfalto
- Marcação M + S, floco de neve (3PMSF) e símbolo de aderência de gelo



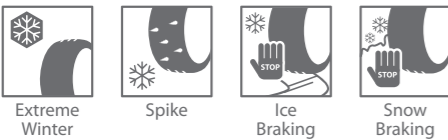
Español

- Fiable y seguro para conducir en invierno extremo
- Excelentes prestaciones en hielo y nieve con un nuevo diseño de tacos
- Rendimiento equilibrado en carreteras secas y mojadas
- Bajo nivel de ruido y buen confort en asfalto
- Marcaje M+S y símbolo del copo de nieve (3PMSF) y de agarre en hielo



Русский

- Безопасное и предсказуемое вождение в условиях экстремальной зимы
- Прекрасные характеристики управляемости и торможения на льду и снегу, благодаря новому дизайну шипа.
- Сбалансированное поведение на сухих и мокрых дорогах
- Низкий уровень шума и плавность хода.
- Маркировка M+S и снежинка с тремя горными пиками (3PMSF) для шин, предназначенных для использования в суровых зимних условиях



Extreme Winter

Spike

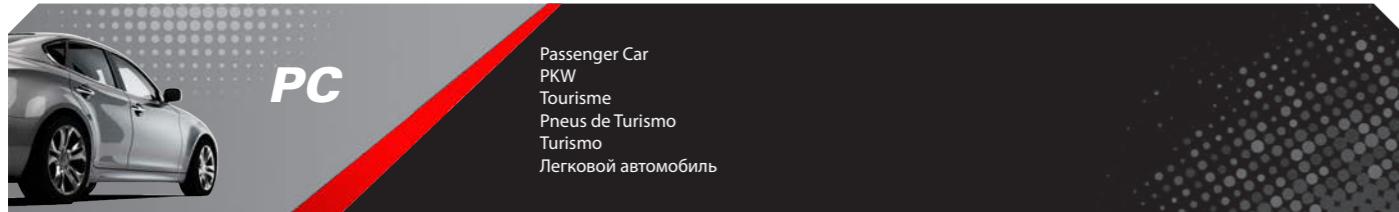
Ice Braking

Snow Braking

Wi32

Rim	Tyre 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"			
Black Sidewall																
18"	245/40 R18 XL 97T	8.5	8.0 - 9.5	3.4	50	730	1609	248	9.8	653	25.7	9.0	11.3	305	1992	o
	245/45 R18 XL 100T	8.0	7.5 - 9.0	3.4	50	800	1764	243	9.6	677	26.7	9.0	11.3	314	2065	-
	235/45 R18 XL 98T	8.0	7.5 - 9.0	3.4	50	750	1653	236	9.3	669	26.3	9.0	11.3	311	2040	-
	235/50 R18 XL 101T	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	9.0	11.3	321	2114	-
	225/40 R18 XL 92T	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	9.0	11.3	299	1943	o
	225/45 R18 XL 95T	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	9.0	11.3	307	2010	-
	225/55 R18 XL 102T	7.0	6.0 - 8.0	3.4	50	850	1874	233	9.2	705	27.8	9.0	11.3	325	2150	-
17"	215/55 R18 XL 99H	7.0	6.0 - 7.5	3.4	50	775	1709	226	8.9	693	27.3	9.0	11.3	321	2114	-
	245/45 R17 XL 99T	8.0	7.5 - 9.0	3.4	50	775	1709	243	9.6	652	25.7	9.0	11.3	302	1989	-
	235/45 R17 XL 97T	8.0	7.5 - 9.0	3.4	50	730	1609	236	9.3	644	25.4	9.0	11.3	299	1964	-
	235/55 R17 XL 103T	7.5	6.5 - 8.5	3.4	50	875	1929	245	9.6	690	27.2	9.0	11.3	317	2105	-
	225/45 R17 XL 94T	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	9.0	11.3	295	1934	-
	225/50 R17 XL 98T	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	9.0	11.3	304	2007	-
	225/55 R17 XL 101T	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	9.0	11.3	313	2074	-
16"	215/50 R17 XL 95T	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	9.0	11.3	300	1976	-
	215/55 R17 XL 98T	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	9.0	11.3	308	2037	-
	215/60 R17 XL 100T	6.5	6.0 - 7.5	3.4	50	800	1764	221	8.7	690	27.2	9.0	11.3	317	2105	-
	215/65 R17 XL 103T	6.5	6.0 - 7.5	3.4	50	875	1929	221	8.7	712	28.0	9.0	11.3	325	2172	-
	205/50 R17 XL 93T	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	9.0	11.3	296	1946	-
	205/55 R17 XL 95T	6.5	5.5 - 7.5	3.4	50	690	1521	214	8.4	658	25.9	9.0	11.3	304	2007	-
	15"	215/55 R16 XL 97T	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	9.0	11.3	295	1958
215/60 R16 XL 99T		6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	9.0	11.3	304	2025	-
215/65 R16 XL 102T		6.5	6.0 - 7.5	3.4	50	850	1874	221	8.7	686	27.0	9.0	11.3	312	2092	-
205/55 R16 XL 94T		6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	9.0	11.3	291	1928	-
205/60 R16 XL 96T		6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	9.0	11.3	299	1989	-
205/65 R16 XL 99T		6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	672	26.5	9.0	11.3	307	2050	-
195/50 R16 XL 88T		6.0	5.5 - 7.0	3.4	50	560	1235	201	7.9	602	23.7	9.0	11.3	279	1836	-
14"	195/55 R16 XL 91T	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	9.0	11.3	287	1891	-
	205/65 R15 XL 99T	6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	698	27.5	9.0	11.3	314	2129	-
	195/55 R15 XL 89T	6.0	5.5 - 7.0	3.4	50	580	1279	201	7.9	595	23.4	9.0	11.3	274	1815	-
	195/60 R15 XL 92T	6.0	5.5 - 7.0	3.4	50	630	1389	201	7.9	615	24.2	9.0	11.3	282	1876	-
	195/65 R15 XL 95T	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	9.0	11.3	290	1937	-
	185/55 R15 XL 86T	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	9.0	11.3	270	1784	-
	185/60 R15 XL 88T	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	9.0	11.3	277	1839	-
13"	185/65 R15 XL 92T	5.5	5.0 - 6.5	3.4	50	630	1389	189	7.4	621	24.4	9.0	11.3	284	1894	-
	175/65 R15 XL 88T	5.0	5.0 - 6.0	3.4	50	560	1235	177	7.0	609	24.0	9.0	11.3	279	1857	-
	185/60 R14 82T	5.5	5.0 - 6.5	3.5	51	475	1047	189	7.4	578	22.8	9.0	11.3	265	1763	-
	185/65 R14 XL 90T	5.5	5.0 - 6.5	3.4	50	600	1323	189	7.4	596	23.5	9.0	11.3	272	1818	-
	185/70 R14 XL 92T	5.5	4.5 - 6.0	3.4	50	630	1389	189	7.4	616	24.3	9.0	11.3	279	1879	-
	175/65 R14 XL 86T	5.0	5.0 - 6.0	3.4	50	530	1168	177	7.0	584	23.0	9.0	11.3	267	1781	-
	175/70 R14 XL 88T	5.0	4.5 - 6.0	3.4	50	560	1235	177	7.0	602	23.7	9.0	11.3	274	1836	-
13"	165/65 R14 79T	5.0	4.5 - 6.0	3.5	51	437	963	170	6.7	570	22.4	9.0	11.3	261	1739	-
	155/65 R14 75T	4.5	4.5 - 5.5	3.5	51	387	853	157	6.2	558	22.0	9.0	11.3	257	1702	-
	175/70 R13 82T	5.0	4.5 - 6.0	3.5	51	475	1047	177	7.0	576	22.7	9.0	11.3	261	1757	-
	155/70 R13 75T	4.5	4.0 - 5.0	3.5	51	387	853	157	6.2	548	21.6	9.0	11.3	250	1671	-
155/80 R13 79T	4.5	4.0 - 5.0	3.5	51	437	963	157	6.2	578	22.8	9.0	11.3	262	1763	-	

XL : Extra Load



Passenger Car
PKW
Tourisme
Pneus de Turismo
Turismo
Легковой автомобиль

Winter Arctic (Studdable)

WINTERCRAFT ice wI31+



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
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol



Deutsch

- Ausgezeichnetes Bremsverhalten und Handling bei Schnee und Glatteis durch optimale Spikeanordnung
- Verbesserte Traktion und Bremsperformance auf Eis und Schnee durch asymmetrische 3D-Lamellen
- Besseres Lenkverhalten bei Eis und Schnee durch Gummimischung neuester Generation
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)



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)



Português

- Frenagens e repostas ao volante em condições de gelo melhorados 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)



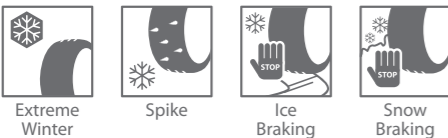
Español

- 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)



Русский

- Оптимальное расположение шипов позволяет добиться максимальных характеристик торможения на льду и управляемости
- Улучшенные характеристики сцепления и торможения на льду и снегу благодаря ассиметричному расположению канавок
- Улучшенная управляемость автомобиля на льду благодаря использованию инновационной смеси
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Extreme Winter

Spike

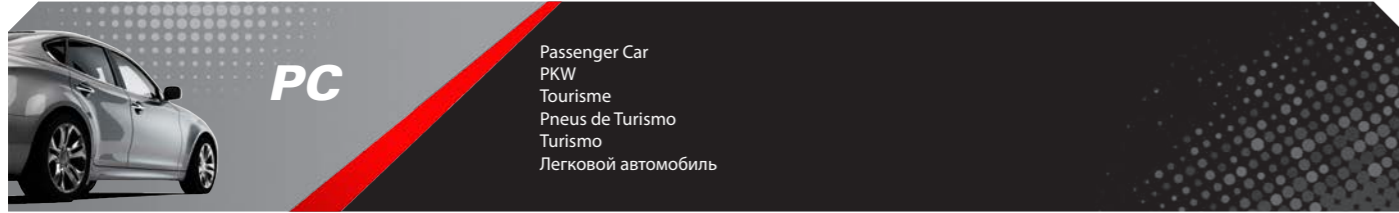
Ice Braking

Snow Braking

Wi31+

Rim	Tyre 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
Black Sidewall																
19"	245/35 R19 XL 93T	8.5	8.0 - 9.5	3.4	50	650	1433	248	9.8	655	25.8	9.8	12.3	309	1998	o
	245/40 R19 XL 98T	8.5	8.0 - 9.5	3.4	50	750	1653	248	9.8	679	26.7	9.8	12.3	318	2071	o
	245/45 R19 XL 102T	8.0	7.5 - 9.0	3.4	50	850	1874	243	9.6	703	27.7	9.8	12.3	327	2144	o
	235/35 R19 XL 91T	8.5	8.0 - 9.5	3.4	50	615	1356	241	9.5	647	25.5	9.8	12.3	305	1973	o
	225/40 R19 XL 93T	8.0	7.5 - 9.0	3.4	50	650	1433	230	9.1	663	26.1	9.8	12.3	312	2022	o
18"	225/45 R19 XL 96T	7.5	7.0 - 8.5	3.4	50	710	1565	225	8.9	685	27.0	9.8	12.3	320	2089	o
	245/40 R18 XL 97T	8.5	8.0 - 9.5	3.4	50	730	1609	248	9.8	653	25.7	9.8	12.3	305	1992	o
	245/45 R18 XL 100T	8.0	7.5 - 9.0	3.4	50	800	1764	243	9.6	677	26.7	9.8	12.3	314	2065	o
	235/40 R18 XL 95T	8.5	8.0 - 9.5	3.4	50	690	1521	241	9.5	645	25.4	9.8	12.3	302	1967	o
	235/45 R18 XL 98T	8.0	7.5 - 9.0	3.4	50	750	1653	236	9.3	669	26.3	9.8	12.3	311	2041	o
17"	235/50 R18 XL 101T	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	9.8	12.3	321	2114	o
	225/40 R18 XL 92T	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	9.8	12.3	299	1943	o
	225/45 R18 XL 95T	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	9.8	12.3	307	2010	o
	225/50 R18 XL 99T	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	683	26.9	9.8	12.3	317	2083	o
	245/45 R17 XL 99T	8.0	7.5 - 9.0	3.4	50	775	1709	243	9.6	652	25.7	9.8	12.3	302	1989	o
	235/45 R17 XL 97T	8.0	7.5 - 9.0	3.4	50	730	1609	236	9.3	644	25.4	9.8	12.3	299	1964	o
	235/55 R17 99H	7.5	6.5 - 8.5	3.5	51	775	1709	245	9.6	690	27.2	9.8	12.3	317	2105	-
	235/65 R17 XL 108T	7.0	6.5 - 8.5	3.4	50	1000	2205	240	9.4	738	29.1	9.8	12.3	335	2251	-
	225/45 R17 XL 94T	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	9.8	12.3	295	1934	o
	225/50 R17 XL 98T	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	9.8	12.3	304	2007	o
16"	225/55 R17 XL 101T	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	9.8	12.3	313	2074	o
	215/45 R17 XL 91T	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	9.8	12.3	292	1909	o
	215/50 R17 XL 95T	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	9.8	12.3	300	1976	o
	215/55 R17 XL 98T	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	9.8	12.3	308	2037	o
	205/45 R17 XL 88T	7.0	6.5 - 7.5	3.4	50	560	1235	206	8.1	616	24.3	9.8	12.3	288	1879	o
	205/50 R17 XL 93T	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	9.8	12.3	296	1946	o
	205/55 R17 XL 95T	6.5	5.5 - 7.5	3.4	50	690	1521	214	8.4	658	25.9	9.8	12.3	304	2007	o
	235/60 R16 XL 104T	7.0	6.5 - 8.5	3.4	50	900	1984	240	9.4	688	27.1	9.8	12.3	313	2098	-
	225/55 R16 XL 99T	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	654	25.7	9.8	12.3	300	1995	o
	225/60 R16 XL 102T	6.5	6.0 - 8.0	3.4	50	850	1874	228	9.0	676	26.6	9.8	12.3	308	2062	-
15"	215/55 R16 XL 97T	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	9.8	12.3	295	1958	o
	215/60 R16 XL 99T	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	9.8	12.3	304	2025	-
	215/65 R16 98T	6.5	6.0 - 7.5	3.0	44	750	1653	221	8.7	686	27.0	9.8	12.3	312	2092	-
	205/55 R16 XL 94T	6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	9.8	12.3	291	1928	o
	205/55 R16 91T	6.5	5.5 - 7.5	3.0	44	615	1356	214	8.4	632	24.9	9.8	12.3	291	1928	o
	205/60 R16 XL 96T	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	9.8	12.3	299	1989	-
	205/60 R16 92T	6.0	5.5 - 7.5	3.0	44	630	1389	209	8.2	652	25.7	9.8	12.3	299	1989	-
	205/65 R16 XL 99T	6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	672	26.5	9.8	12.3	307	2050	-
	195/55 R16 XL 91T	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	9.8	12.3	287	1891	o
	195/60 R16 XL 93T	6.0	5.5 - 7.0	3.4	50	650	1433	201	7.9	640	25.2	9.8	12.3	294	1952	-
15"	235/75 R15 XL 109T	6.5	6.0 - 8.0	3.4	50	1030	2271	235	9.3	733	28.9	9.8	12.3	328	2236	-
	215/65 R15 96T	6.5	6.0 - 7.5	3.0	44	710	1565	224	8.8	661	26.0	9.8	12.3	300	2016	-
	215/70 R15 98T	6.5	5.5 - 7.0	3.0	44	750	1653	221	8.7	683	26.9	9.8	12.3	308	2083	-
	205/65 R15 94T	6.0	5.5 - 7.5	3.0	44	670	1477	209	8.2	647	25.5	9.8	12.3	294	1973	-
	205/70 R15 96T	6.0	5.0 - 7.0	3.0	44	710	1565	209	8.2	669	26.3	9.8	12.3	303	2041	-
	195/55 R15 XL 89T	6.0	5.5 - 7.0	3.4	50	580	1279	201	7.9	595	23.4	9.8	12.3	274	1815	o
195/60 R15 88T	6.0	5.5 - 7.0	3.0	44	560	1235	201	7.9	615	24.2	9.8	12.3	282	1876	-	
195/65 R15 XL 95T	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	9.8	12.3	290	1937	-	

XL : Extra Load



Winter Arctic (Studdable)

WINTERCRAFT ice wI31+



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
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol

Deutsch

- Ausgezeichnetes Bremsverhalten und Handling bei Schnee und Glatteis durch optimale Spikeanordnung
- Verbesserte Traktion und Bremsperformance auf Eis und Schnee durch asymmetrische 3D-Lamellen
- Besseres Lenkverhalten bei Eis und Schnee durch Gummimischung neuester Generation
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)

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)

Português

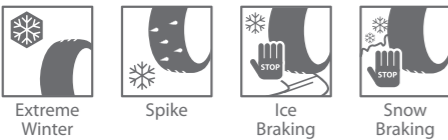
- Frenagens e repostas ao volante em condições de gelo melhorados pela melhor distribuição dos cravos
- Desempenho em frenagens e tração no gelo e neve melhorados pelas ranhuras assimétricas
- Melhor controle no gelo produzido pela aplicação da última tecnologia em compostos
- Novo design de cravo
-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

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)

Русский

- Оптимальное расположение шипов позволяет добиться максимальных характеристик торможения на льду и управляемости
- Улучшенные характеристики сцепления и торможения на льду и снегу благодаря ассиметричному расположению канавок
- Улучшенная управляемость автомобиля на льду благодаря использованию инновационной смеси
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Extreme Winter

Spike

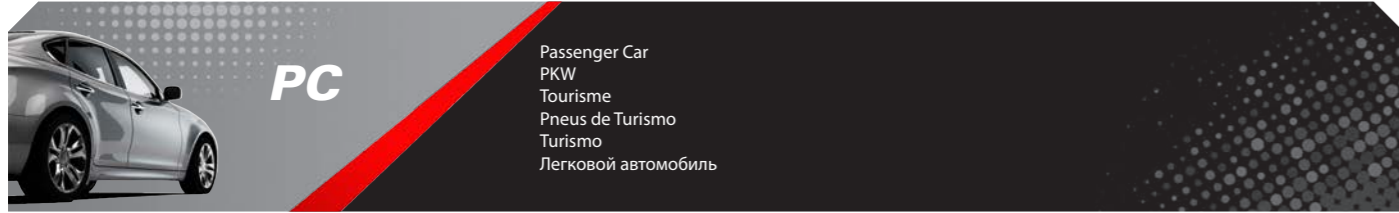
Ice Braking

Snow Braking

Wi31+

Rim	Tyre 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"			
Black Sidewall																
15"	195/65 R15 91T	6.0	5.5 - 7.0	3.0	44	615	1356	201	7.9	635	25.0	9.8	12.3	290	1937	-
	185/55 R15 82T	6.0	5.0 - 6.5	3.0	44	475	1047	194	7.6	585	23.0	9.8	12.3	270	1784	o
	185/60 R15 XL 88T	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	9.8	12.3	277	1839	-
	185/65 R15 88T	5.5	5.0 - 6.5	3.0	44	560	1235	189	7.4	621	24.4	9.8	12.3	284	1894	-
	175/65 R15 XL 88T	5.0	5.0 - 6.0	3.4	50	560	1235	177	7.0	609	24.0	9.8	12.3	279	1858	-
14"	185/60 R14 82T	5.5	5.0 - 6.5	3.0	44	475	1047	189	7.4	578	22.8	9.8	12.3	265	1763	-
	185/65 R14 86T	5.5	5.0 - 6.5	3.0	44	530	1168	189	7.4	596	23.5	9.8	12.3	272	1818	-
	185/70 R14 88T	5.5	4.5 - 6.0	3.0	44	560	1235	189	7.4	616	24.3	9.8	12.3	279	1879	-
	175/65 R14 82T	5.0	5.0 - 6.0	3.0	44	475	1047	177	7.0	584	23.0	9.8	12.3	267	1781	-
	175/70 R14 84T	5.0	4.5 - 6.0	3.0	44	500	1102	177	7.0	602	23.7	9.8	12.3	274	1836	-
	165/65 R14 79T	5.0	4.5 - 6.0	3.0	44	437	963	170	6.7	570	22.4	9.8	12.3	261	1739	-
	155/65 R14 75T	4.5	4.5 - 5.5	3.0	44	387	853	157	6.2	558	22.0	9.8	12.3	257	1702	-
13"	175/70 R13 82T	5.0	4.5 - 6.0	3.0	44	475	1047	177	7.0	576	22.7	9.8	12.3	261	1757	-
	165/80 R13 83T	4.5	4.0 - 5.5	3.0	44	487	1074	165	6.5	594	23.4	9.8	12.3	268	1812	-
	155/70 R13 75Q	4.5	4.0 - 5.0	3.0	44	387	853	157	6.2	548	21.6	9.8	12.3	250	1671	-
	155/80 R13 79Q	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



Passenger Car
PKW
Tourisme
Pneus de Turismo
Turismo
Легковой автомобиль

Winter Arctic (Studless)

WINTERCRAFT ice wi51

NEW PRODUCT



English

- The Perfect Performance & Comfort in Nordic Winter Conditions
- Excellent acceleration and braking on ice & snow
- Maximized and balanced grip in all winter roads
- Impressive wet-dry performance and save on fuel costs
- M+S marking, snowflake(3PMSF) and ice grip symbol



Deutsch

- Perfekte und ausgewogene Performance bei arktischen Winterverhältnissen
- Exzellente Beschleunigungs- und Bremswerte bei Schnee und Eis
- Maximimaler und ausgewogener Grip im Winter
- Beeindruckende, kraftstoffsparende Performance bei Nässe und im Trockenen
- Mit M+S-Kennzeichnung, Schneeflocken(3PMSF) und Eis-Grip-Symbol



Français

- L'équilibre parfait entre confort et performances en conditions hivernales nordiques
- Excellent freinage et excellente accélération sur la glace et la neige
- Adhérence équilibrée et maximale sur tous types de routes hivernales
- Impressionnantes performances sur sol sec et mouillé et économie sur les coûts de carburant
- Marquage M+S, 3PMSF et symbole d'adhérence sur glace/verglas



Português

- Desempenho e conforto perfeitos em condições nórdicas de inverno
- Excelente aceleração e travagem em superfícies com gelo e neve
- Aderência maximizada e equilibrada em todas as estradas de inverno
- Desempenho impressionante molhado-seco e economia nos custos de combustível
- Marcação M + S, floco de neve (3PMSF) e símbolo de aderência de gelo



Español

- Perfecto rendimiento y comodidad en condiciones invernales nórdicas
- Excelente aceleración y frenado sobre hielo y nieve
- Agarre maximizado y equilibrado en todas las carreteras invernales
- Impresionantes prestaciones en seco y mojado y ahorro de combustible
- Marcaje M+S, copo de nieve(3PMSF) y símbolo de agarre en hielo



Русский

- Превосходные характеристики и комфорт в суровых зимних условиях
- Прекрасное ускорение и торможение на снегу и льду
- Сбалансированное поведение на всех типах зимних дорог
- Топливная экономичность
- Маркировка M+S и снежинка с тремя горными пиками (3PMSF) для шин, предназначенных для использования в суровых зимних условиях

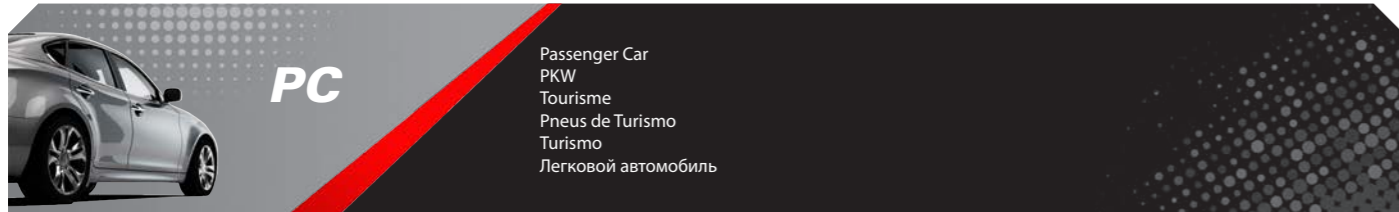


Extreme Winter Ice & Snow Braking Wet Braking Low RR

Wi51

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure	Max. Load		Section Width		Overall Diameter		Tread Depth	Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector			
					bar	psi	kg	lbs	mm	inch				mm	inch	mm		x/32"	mm	mm
Black Sidewall																				
19"	245/45 R19 XL 102T	8.0	7.5 - 9.0	3.4	50	850	1874	243	9.6	703	27.7	8.0	10.1	327	2144	*	*	*	*	-
18"	245/40 R18 XL 97T	8.5	8.0 - 9.5	3.4	50	730	1609	248	9.8	653	25.7	8.0	10.1	305	1992	D	D	B	72	o
	245/45 R18 XL 100T	8.0	7.5 - 9.0	3.4	50	800	1764	243	9.6	677	26.7	8.0	10.1	314	2065	D	D	B	72	-
	245/50 R18 XL 104T	7.5	7.0 - 8.5	3.4	50	900	1984	253	10.0	703	27.7	8.0	10.1	324	2144	*	*	*	*	-
	235/40 R18 XL 95T	8.5	8.0 - 9.5	3.4	50	690	1521	241	9.5	645	25.4	8.0	10.1	302	1967	*	*	*	*	o
	235/50 R18 XL 101T	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	8.0	10.1	321	2114	C	D	B	72	-
17"	225/40 R18 XL 92T	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	8.0	10.1	299	1943	D	D	B	72	o
	225/45 R18 XL 95T	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	8.0	10.1	307	2010	D	D	B	72	-
	245/45 R17 XL 99T	8.0	7.5 - 9.0	3.4	50	775	1709	243	9.6	652	25.7	8.0	10.1	302	1989	C	D	B	72	-
	235/45 R17 XL 97T	8.0	7.5 - 9.0	3.4	50	730	1609	236	9.3	644	25.4	8.0	10.1	299	1964	*	*	*	*	-
	235/55 R17 XL 103T	7.5	6.5 - 8.5	3.4	50	875	1929	245	9.6	690	27.2	8.0	10.1	317	2105	C	D	B	72	-
	225/45 R17 XL 94T	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	8.0	10.1	295	1934	C	D	B	72	-
	225/50 R17 XL 98T	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	8.0	10.1	304	2007	C	D	B	72	-
	225/55 R17 XL 101T	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	8.0	10.1	313	2074	C	D	B	72	-
	215/50 R17 XL 95T	7.0	6.0 - 7.5	3.4	50	690	1521	226	8.9	648	25.5	8.0	10.1	300	1976	C	D	B	72	-
	215/55 R17 XL 98T	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	8.0	10.1	308	2037	C	D	B	72	-
16"	205/50 R17 XL 93T	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	8.0	10.1	296	1946	*	*	*	*	-
	205/55 R17 XL 95T	6.5	5.5 - 7.5	3.4	50	690	1521	214	8.4	658	25.9	8.0	10.1	304	2007	*	*	*	*	-
	235/60 R16 XL 104T	7.0	6.5 - 8.5	3.4	50	900	1984	240	9.4	688	27.1	8.0	10.1	313	2098	*	*	*	*	-
	225/55 R16 XL 99T	7.0	6.0 - 8.0	3.4	50	775	1709	233	9.2	654	25.7	8.0	10.1	300	1995	*	*	*	*	-
	215/55 R16 XL 97T	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	8.0	10.1	295	1958	C	D	B	72	-
	215/60 R16 XL 99T	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	8.0	10.1	304	2025	C	D	B	72	-
	205/55 R16 XL 94T	6.5	5.5 - 7.5	3.4	50	670	1477	214	8.4	632	24.9	8.0	10.1	291	1928	C	D	B	72	-
	205/60 R16 XL 96T	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	8.0	10.1	299	1989	C	D	B	72	-
15"	205/65 R16 XL 99T	6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	672	26.5	8.0	10.1	307	2050	C	D	B	72	-
	195/50 R16 XL 88T	6.0	5.5 - 7.0	3.4	50	560	1235	201	7.9	602	23.7	8.0	10.1	279	1836	*	*	*	*	-
	195/55 R16 XL 91T	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	8.0	10.1	287	1891	*	*	*	*	-
	205/65 R15 XL 99T	6.0	5.5 - 7.5	3.4	50	775	1709	209	8.2	647	25.5	8.0	10.1	294	1973	C	D	B	72	-
	195/60 R15 XL 92T	6.0	5.5 - 7.0	3.4	50	630	1389	201	7.9	615	24.2	8.0	10.1	282	1876	D	D	B	72	-
	195/65 R15 XL 95T	6.0	5.5 - 7.0	3.4	50	690	1521	201	7.9	635	25.0	8.0	10.1	290	1937	C	D	B	72	-
	185/55 R15 XL 86T	6.0	5.0 - 6.5	3.4	50	530	1168	194	7.6	585	23.0	8.0	10.1	270	1784	*	*	*	*	-
14"	185/60 R15 XL 88T	5.5	5.0 - 6.5	3.4	50	560	1235	189	7.4	603	23.7	8.0	10.1	277	1839	D	D	B	71	-
	185/65 R15 XL 92T	5.5	5.0 - 6.5	3.4	50	630	1389	189	7.4	621	24.4	8.0	10.1	284	1894	C	D	B	71	-
	185/60 R14 XL 86T	5.5	5.0 - 6.5	3.4	50	530	1168	189	7.4	578	22.8	8.0	10.1	265	1763	*	*	*	*	-
	185/65 R14 XL 90T	5.5	5.0 - 6.5	3.4	50	600	1323	189	7.4	596	23.5	8.0	10.1	272	1818	D	E	B	71	-
	185/70 R14 XL 92T	5.5	4.5 - 6.0	3.4	50	630	1389	189	7.4	616	24.3	8.0	10.1	279	1879	*	*	*	*	-
14"	175/65 R14 XL 86T	5.0	5.0 - 6.0	3.4	50	530	1168	177	7.0	584	23.0	8.0	10.1	267	1781	D	E	B	71	-
	175/70 R14 XL 88T	5.0	4.5 - 6.0	3.4	50	560	1235	177	7.0	576	22.7	8.0	10.1	264	1757	D	E	B	71	-

XL : Extra Load
* EU labeling available in 2022



Passenger Car
PKW
Tourisme
Pneus de Turismo
Turismo
Легковой автомобиль

Winter Arctic (Studless)

I'ZEN KW31



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
- With M+S marking and 3PMSF (3 Peak-Mountain-Snowflake) symbol



Deutsch

- Maximale Traktion bei Schnee und ausgezeichnetes Bremsvermögen
- Verbesserte Seitenführung und verbessertes Handling auf verschneiten und vereisten Strassen
- Spezielle Profilblöcke an der Reifenschulter verhindern das Festsetzen von Schnee und Eis
- Mit M+S-Kennzeichnung und Schneeflockensymbol (3PMSF)



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)



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)



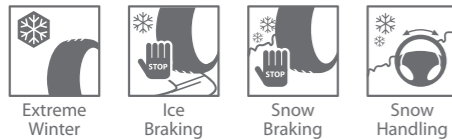
Español

- 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)



Русский

- Максимальные характеристики на снегу
- Превосходная управляемость на любой зимней дороге
- Самоочистение протектора
- Дизайн боковины имеет маркировку M+S и символ горы с тремя вершинами и снежинкой



Extreme Winter

Ice Braking

Snow Braking

Snow Handling

KW31

Rim	Tyre Size	Measuring Rim Width	Approved Rim Width	Max. Air Pressure		Max. Load		Section Width		Overall Diameter		Tread Depth		Static Loaded Radius	Rolling Circumference	EU Labeling			Rim Protector	
				bar	psi	kg	lbs	mm	inch	mm	inch	mm	x/32"			mm	mm	RR		Wet Grip
Black Sidewall																				
19"	235/35 R19 XL 91R	8.5	8.0 - 9.5	3.4	50	615	1356	241	9.5	647	25.5	9.0	11.3	305	1973	E	E	B	71	o
18"	255/55 R18 XL 109R	8.0	7.0 - 9.0	3.4	50	1030	2271	265	10.4	737	29.0	9.0	11.3	338	2248	E	E	B	71	o
	235/50 R18 XL 101R	7.5	6.5 - 8.5	3.4	50	825	1819	245	9.6	693	27.3	9.0	11.3	321	2114	D	D	B	72	o
	235/55 R18 XL 104R	7.5	6.5 - 8.5	3.4	50	900	1984	245	9.6	715	28.1	9.0	11.3	329	2181	D	D	B	72	o
	235/60 R18 XL 107R	7.0	6.5 - 8.5	3.4	50	975	2149	240	9.4	739	29.1	9.2	11.6	339	2254	D	D	B	71	-
	225/40 R18 XL 92R	8.0	7.5 - 9.0	3.4	50	630	1389	230	9.1	637	25.1	9.0	11.3	299	1943	E	E	B	71	o
17"	225/45 R18 XL 95R	7.5	7.0 - 8.5	3.4	50	690	1521	225	8.9	659	25.9	9.0	11.3	307	2010	D	E	B	72	o
	265/65 R17 XL 116R	8.0	7.5 - 9.5	3.4	50	1250	2756	272	10.7	776	30.6	9.2	11.6	350	2367	D	D	B	71	-
	235/55 R17 XL 103R	7.5	6.5 - 8.5	3.4	50	875	1929	245	9.6	690	27.2	9.0	11.3	317	2105	D	D	B	72	o
	235/55 R17 99R	7.5	6.5 - 8.5	3.0	44	775	1709	245	9.6	690	27.2	9.0	11.3	317	2105	D	E	B	72	o
	235/65 R17 XL 108R	7.0	6.5 - 8.5	3.4	50	1000	2205	240	9.4	738	29.1	9.2	11.6	335	2251	D	D	B	72	-
	225/45 R17 XL 94R	7.5	7.0 - 8.5	3.4	50	670	1477	225	8.9	634	25.0	9.0	11.3	295	1934	D	E	B	71	o
	225/50 R17 XL 98R	7.0	6.0 - 8.0	3.4	50	750	1653	233	9.2	658	25.9	9.0	11.3	304	2007	D	E	B	72	o
	225/55 R17 XL 101R	7.0	6.0 - 8.0	3.4	50	825	1819	233	9.2	680	26.8	9.0	11.3	313	2074	D	E	B	72	o
	225/60 R17 XL 103R	6.5	6.0 - 8.0	3.4	50	875	1929	228	9.0	702	27.6	9.2	11.6	321	2141	D	D	B	71	-
	225/65 R17 XL 106R	6.5	6.0 - 8.0	3.4	50	950	2094	228	9.0	724	28.5	9.2	11.6	330	2208	D	D	B	72	-
16"	215/45 R17 XL 91R	7.0	7.0 - 8.0	3.4	50	615	1356	213	8.4	626	24.6	8.8	11.1	292	1909	C	E	B	70	o
	215/55 R17 XL 98R	7.0	6.0 - 7.5	3.4	50	750	1653	226	8.9	668	26.3	9.2	11.6	308	2037	D	E	B	72	o
	215/60 R17 96R	6.5	6.0 - 7.5	3.0	44	710	1565	221	8.7	690	27.2	9.2	11.6	317	2105	D	E	B	72	-
	205/50 R17 XL 93R	6.5	5.5 - 7.5	3.4	50	650	1433	214	8.4	638	25.1	9.0	11.3	296	1946	D	E	B	72	o
	245/70 R16 XL 111R	7.0	6.5 - 8.0	3.4	50	1090	2403	248	9.8	750	29.5	9.2	11.6	337	2288	D	D	B	71	-
	235/60 R16 100R	7.0	6.5 - 8.5	3.0	44	800	1764	240	9.4	688	27.1	9.2	11.6	313	2098	D	D	B	71	-
	235/70 R16 106R	7.0	6.0 - 8.0	3.5	51	950	2094	240	9.4	736	29	9.2	11.6	332	2245	D	D	B	71	-
	225/60 R16 XL 102R	6.5	6.0 - 8.0	3.0	44	750	1653	228	9.0	676	26.6	9.2	11.6	308	2062	D	D	B	71	-
	225/60 R16 98R	6.5	6.0 - 8.0	3.4	50	850	1874	228	9.0	676	26.6	9.2	11.6	308	2062	D	D	B	71	-
	225/70 R16 XL 107R	6.5	6.0 - 7.5	3.4	50	975	2149	228	9.0	722	28.4	9.2	11.6	326	2202	D	D	B	72	-
15"	215/55 R16 XL 97R	7.0	6.0 - 7.5	3.4	50	730	1609	226	8.9	642	25.3	9.0	11.3	295	1958	D	E	B	72	o
	215/60 R16 XL 99R	6.5	6.0 - 7.5	3.4	50	775	1709	221	8.7	664	26.1	9.2	11.6	304	2025	D	E	B	72	-
	215/65 R16 XL 102R	6.5	6.0 - 7.5	3.4	50	850	1874	221	8.7	686	27	9.2	11.6	312	2092	D	E	B	72	-
	215/70 R16 100R	6.5	5.5 - 7.0	3.0	44	800	1764	221	8.7	708	27.9	9.2	11.6	321	2159	D	E	B	72	-
	205/55 R16 91R	6.5	5.5 - 7.5	3.0	44	615	1356	214	8.4	632	24.9	9.0	11.3	291	1928	D	E	B	70	o
	205/60 R16 XL 96R	6.0	5.5 - 7.5	3.4	50	710	1565	209	8.2	652	25.7	9.2	11.6	299	1989	D	E	B	70	-
	205/65 R16 95R	6.0	5.5 - 7.5	3.0	44	690	1521	209	8.2	672	26.5	9.2	11.6	307	2050	D	E	B	70	-
	195/55 R16 XL 91R	6.0	5.5 - 7.0	3.4	50	615	1356	201	7.9	620	24.4	9.0	11.3	287	1891	D	E	B	70	o
	205/65 R15 XL 99R	6.0	5.5 7.5	3.4	50	775	1709	209	8.2	647	25.5	9.2	11.6	294	1973	D	E	B	70	-
	205/70 R15 96R	6.0	5.0 7.0	3.0	44	710	1565	209	8.2	669	26.3	9.2	11.6	303	2041	C	E	B	71	-
14"	195/55 R15 85R	6.0	5.5 7.0	3.0	44	515	1135	201	7.9	595	23.4	9.0	11.3	274	1815	D	E	B	72	o
	195/60 R15 88R	6.0	5.5 7.0	3.0	44	560	1235	201	7.9	615	24.2	9.2	11.6	282	1876	D	E	B	70	-
	195/65 R15 91R	6.0	5.5 7.0	3.0	44	615	1356	201	7.9	635	25.0	9.0	11.3	290	1937	D	E	B	70	-
	185/55 R15 XL 86R	6.0	5.0 6.5	3.4	50	530	1168	194	7.6	585	23.0	9.0	11.3	270	1784	D	E	B	71	o
	185/60 R15 XL 88R	5.5	5.0 6.5	3.4	50	560	1235	189	7.4	603	23.7	9.2	11.6	277	1839	D	E	B	71	-
	185/65 R15 XL 92R	5.5	5.0 6.5	3.4	50	630	1389	189	7.4	621	24.4	9.2	11.6	284	1894	E	E	B	71	-
	175/65 R15 84R	5.0	5.0 6.0	3.0	44	500	1102	177	7.0	609	24.0	9.2	11.6	279	1858	D	E	B	71	-
	185/70 R14 86R	5.5	5.0 6.5	3.0	44	530	1168	189	7.4	596	23.5	9.2	11.6	272	1818	E	E	B	71	-
	185/70 R14 88R	5.5	4.5 6.0	3.0	44	560	1235	189	7.4	616	24.3	9.2	11.6	279	1879	D	E	B	71	-
	175/65 R14 82R	5.0	5.0 6.0	3.0	44	475	1047	177	7.0	584	23.0	9.2	11.6	267	1781	E	E	B	68	-
13"	175/70 R14 84R	5.0	4.5 6.0	3.0	44	500	1102	177	7.0	602	23.7	9.2	11.6	274	1836	E	E	B	68	-
	165/65 R14 79R	5.0	4.5 6.0	3.0	44	437	963	170	6.7	570	22.4	9.2	11.6	261	1739	D	E	B	71	-
	165/70 R14 81R	5.0	4.0 5.5	3.0	44	462	1019	170	6.7	588	23.1	9.2	11.6	268	1793	D	E	B	69	-
	155/65 R14 75R	4.5	4.5 5.5	3.0	44	387	853	157	6.2	558	22.0	9.2	11.6	257	1702	E	E	B	68	-
155/65 R13 73R	4.5	4.5 5.5	3.0	44	365	805	157	6.2	532	20.9	9.2	11.6	244	1623	E	E	B	70	-	

XL : Extra Load