



CST®

**WHERE PASSION
MEETS THE GROUND**

AUTOMOTIVE TIRES

2018 — 2019

4 **Technical Information**

6 **Ultra High Performance**

8 - Adreno H/P Sport AD-R8

10 - Parkour PK01

12 **Passenger Car**

14 - Medallion MD-A1

16 - Marquis MR61

18 - Medallion All Season ACP1

20 - Medallion Winter WCP1

22 - Crucero CS889

24 - Campeon CS920

26 - Campeon CS868

28 **SUV & 4X4**

30 - Sahara A/T II

32 - Sahara M/T II

34 - Sahara CS900

36 - Sahara CS901

38 - Sahara CS912

40 - Land Dragon CL-18

42 - C-888

44 **Commercial Tires**

44 - CL31

46 - Van Master VR36

48 - CS105

50 **Trailer Tires**

51 - Voyage VA77

52 **Safety Information**

56 **Sponsoring**





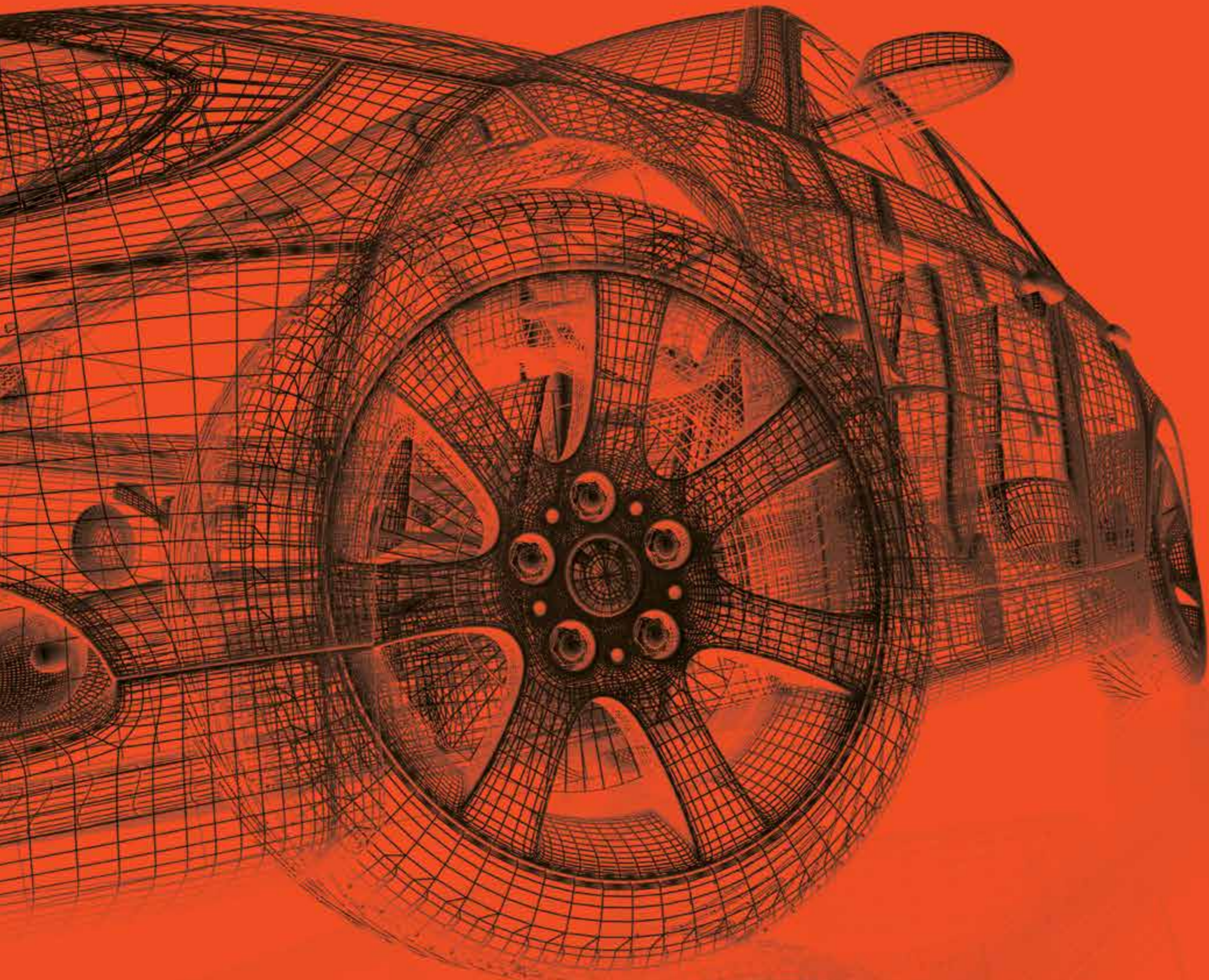
> Tire compound

- A Nylon
- B Steel belt
- C Polyester
- D Sidewall



> Side wall information

- 1. Nominal width of tire
- 2. Aspect ratio
- 3. Wheel rim diameter
- 4. Load index
- 5. Speed symbol
- 6. Denotes type of construction (Radial)
- 7. Denotes outside of tire rotation when fitted
- 8. Reinforced marking where applicable
- 9. M+S (Mud and Snow) marking where applicable indicating tire has winter type tread pattern
- 10. Country of manufacture



CST®
ULTRA HIGH PERFORMANCE

ADRENO H/P SPORT AD-R8

Our pinnacle in SUV tires

The AD-R8 features a high-stiffness tread pattern designed to provide straight-line stability and better handling at high speed without compromising on comfort. Through its closed outer groove design and wave-grooved wall, resonance and noise are reduced to a minimum. The Adreno H/P Sport has a noticeably longer tread life achieved through the use of the latest generation of enhanced silica that also delivers excellent handling.

Sport ●●●●●
Comfort ●●●●○
Economy ●●●○○



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB	
16	65	215/65R16	98H	6.0-(6.5)-7.5	E	B	71
	55	235/55R17	99V	6.5-(7.5)-8.5	E	B	71
17	60	215/60R17	96V	6.0-(6.5)-7.5	C	B	71
		225/60R17	99H	6.0-(6.5)-8.0	E	B	71
	65	255/60R17	106V	7.0-(7.5)-9.0	E	B	71
		225/65R17	102V	6.0-(6.5)-8.0	E	B	71
		235/65R17	108V XL	6.5-(7.0)-8.5	E	B	71
18	50	235/50ZR18	101W XL	6.5-(7.5)-8.5	E	B	71
		215/55R18	95H	6.0-(7.0)-7.5	E	B	71
	55	225/55R18	98V	6.0-(7.0)-8.0	C	B	71
		235/55ZR18	100W	6.5-(7.5)-8.5	E	B	71
		255/55ZR18	109W XL	7.0-(8.0)-9.0	C	B	71
		225/60R18	100V	6.0-(6.5)-8.0	E	B	71
	60	235/60R18	103V	6.5-(7.0)-8.5	E	B	71
		245/60R18	105V	7.0-(7.0)-8.5	E	B	71
		255/60R18	112V	7.0-(7.5)-9.0	C	B	71
		265/60R18	110V	7.5-(8.0)-9.5	C	B	71
285/60R18		120V XL	8.0-(8.5)-10.0	C	B	73	
235/50ZR19		99W	6.5-(7.5)-8.5	E	B	71	
19	50	255/50ZR19	107W	7.0-(8.0)-9.0	C	B	71
		235/55ZR19	101W	6.5-(7.5)-8.5	E	B	71
	55	245/55R19	103V	7.0-(7.5)-8.5	E	B	71
		255/55R19	107V	7.0-(8.0)-9.0	C	B	71
20	40	275/40ZR20	106W XL	9.0-(9.5)-11.0	C	B	73
		245/45ZR20	103W XL	7.5-(8.0)-9.0	C	B	71
		255/45ZR20	105W XL	8.0-(8.5)-9.5	C	B	71
	45	275/45ZR20	110W XL	8.5-(9.0)-10.5	C	B	73
		245/50ZR20	102W	7.0-(7.5)-8.5	E	B	71
		265/50ZR20	111W XL	7.5-(8.5)-9.5	C	B	73
	50	275/50ZR20	109W	7.5-(8.5)-9.5	C	B	72
		285/50R20	116V XL	8.0-(9.0)-10.0	C	B	73
		305/50R20	120V XL	8.5-(9.5)-11.0	C	B	73
		235/55R20	102V	6.5-(7.5)-8.5	C	B	71
55	255/55ZR20	110W XL	7.0-(8.0)-9.0	C	B	71	
	275/55R20	117V XL	7.5-(8.5)-9.5	C	B	73	

- Waved-groove wall designed to reduce resonance and noise
- Outer closed-groove design reduces noise for a quieter ride
- Tread surface with 3+1 circumferential grooves minimises aquaplaning, improving wet braking and safety in wet conditions
- High-stiffness tread pattern improves straight-line stability and handling at high speed

- Perfect handling at high speed
- Tread pattern improves noise reduction
- A long life without sacrificing any excellence in handling
- UTQG 280 AA A

PARKOUR PK01

Pure feeling

If you enjoy the sporty style of motoring, look no further. Designed to deliver excellent handling in all conditions, the Parkour offers true driving confidence. Through our special hybrid compound, the Parkour is capable of braking much quicker in the wet and, with its M-shaped shoulder blocks, provides superior stability and traction when cornering at higher speeds.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB	
15	50	205/50R15	89V XL	5.5-(6.5)-7.5	E	B	70
	45	205/45ZR16	87W XL	6.5-(7.0)-7.0	E	B	70
16	50	195/50R16	88V XL	5.5-(6.0)-7.0	E	B	70
	55	205/50ZR16	91W XL	5.5-(6.5)-7.5	E	B	70
		205/55ZR16	94W XL	5.5-(6.5)-7.5	C	B	70
17	45	205/45ZR17	88W XL	6.5-(7.0)-7.0	E	B	70
		215/45ZR17	91W XL	7.0-(7.5)-8.0	E	B	70
		225/45ZR17	94W XL	7.0-(7.5)-8.5	C	B	70
	50	235/45ZR17	97W XL	7.5-(8.0)-9.0	E	B	70
		245/45ZR17	99W XL	7.5-(8.0)-9.0	E	B	70
	55	215/50ZR17	95W XL	6.0-(7.0)-7.5	E	B	70
		225/50ZR17	98W XL	6.0-(7.0)-8.0	E	B	70
		215/55ZR17	94W	6.0-(7.0)-7.5	E	B	70
18	45	225/55ZR17	101W XL	6.0-(7.0)-8.0	E	B	70
		225/45ZR18	95W XL	7.0-(7.5)-8.5	E	B	70
	50	235/45ZR18	94W	7.5-(8.0)-9.0	E	B	70
		245/45ZR18	96W	7.5-(8.0)-9.0	E	B	70
		235/50ZR18	101W XL	6.5-(7.5)-8.5	E	B	70

Sport ●●●●●
Comfort ●●●○○
Economy ●●●○○



- 5 different tread pattern segments in one pitch, with two alternate pitches in the shoulder area, help to minimise the vibrations produced between the tyre and vehicle at high speed.
- Three stiff, straight ribs with two shoulder ribs offer excellent braking traction and provide a greater contact area for improved straight-line stability.
- M-shaped shoulder block design with high stiffness provides outstanding high-speed cornering traction and stability
- Wide main groove with 17° tapered-down groove wall provides high-speed stability on wet surfaces.

- Excellent wet and dry traction offers superior handling
- Outstanding high-speed performance meets your high expectations
- Optimized tread pattern design and arrangement ensure ride comfort
- UTQG 300 A A



CST[®]
PASSENGER CAR

MEDALLION MD-A1

Enjoy the road

The Medallion is an all-round excellent performer, delivering high levels of comfort and aggressive traction. Noise and vibration are reduced through the lateral grooves in the pattern that also hold the tyre's shape for great handling. New compound technology gives the Medallion the edge when it comes to wet traction while also delivering very low rolling resistance.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB		
45	195/45R16	84V XL	6.0(6.5)-7.5	E	B	71		
	215/45R16	90V XL	7.0(7.0)-8.0	E	B	71		
50	195/50R16	88V XL	5.5(6.0)-7.0	C	B	71		
	205/50ZR16	91W XL	5.5(6.5)-7.5	C	B	71		
	225/50R16	92V	6.0(7.0)-8.0	E	B	71		
16	55	195/55R16	87V	5.5(6.0)-7.0	E	B	71	
		195/55R16	91V XL	5.5(6.0)-7.0	E	B	71	
		205/55R16	91V	5.5(6.5)-7.5	C	B	71	
		205/55ZR16	91W	5.5(6.5)-7.5	C	B	71	
		205/55ZR16	94W XL	5.5(6.5)-7.5	C	B	71	
		215/55R16	93V	6.0(7.0)-7.5	E	B	71	
		225/55R16	95V	6.0(7.0)-8.0	C	B	71	
		225/55R16	95V	6.0(7.0)-8.0	C	B	71	
60		195/60R16	89V	5.5(6.0)-6.5	C	B	71	
		205/60R16	92V	5.5(6.0)-7.5	C	B	71	
		215/60R16	99V XL	6.0(6.5)-7.5	C	B	71	
		225/60R16	98V	6.0(6.5)-8.0	C	B	71	
65	205/65R16	95H	5.5(6.0)-7.5	E	B	71		
17	45	215/45ZR17	91W	7.0(7.0)-8.0	E	B	71	
		225/45ZR17	94W XL	7.0(7.5)-8.5	C	B	71	
		235/45ZR17	97W XL	7.5(8)-8.5	C	B	71	
		245/45ZR17	99W XL	7.5(8.0)-9.0	C	B	71	
	50		205/50ZR17	93W XL	5.5(6.5)-7.5	C	B	71
			215/50ZR17	95W XL	6.0(7.0)-7.5	C	B	71
			225/50ZR17	98W XL	6.0(7.0)-8.0	C	B	71
			235/50ZR17	96W	6.5(7.5)-8.5	C	B	71
	55		215/55ZR17	98W XL	6.0(7.0)-7.5	C	B	71
			225/55ZR17	101W XL	6.0(7.0)-8.0	C	B	71
18	45	225/45ZR18	95W XL	7.0(7.5)-8.5	E	B	71	
		235/45ZR18	98W XL	7.5(8)-8.5	C	B	71	
		245/45ZR18	100W XL	7.5(8.0)-9.0	C	B	71	

Sport ●●●●○
Comfort ●●●●●
Economy ●●●○●



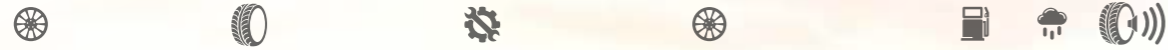
- Double-angled shoulder grooves improve water dispersal, reducing the chance of aquaplaning
- Closed-shoulder groove design reduces noise and shoulder wear
- Multiple lateral grooves reduce air vibration resulting in less noise and a quieter drive experience
- A/B pitch arrangement designed to further reduce noise from air vibration

- Maximum comfort
- Quiet due to closed shoulder grooves
- Outstanding high speed performance
- A true all rounder
- UTQG 320 A A

MARQUIS MR61

Green compound & Energy saving

The MR61 is the tyre for drivers requiring reliability and all-round, every-day performance. The Marquis offers a quiet and comfortable ride through its concentrated groove and sipe arrangement, co-ordinated with strong central ribs too reduce noise and improve handling performance. Our new compound formula delivers enhanced durability and lowers rolling resistance without losing any traction.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB	
13	65	155/65R13	73T	4.5-(4.5)-5.5	E	B	70
	70	155/70R13	75T	4.0-(4.5)-5.5	-	B	70
		165/70R13	79T	4.0-(5.0)-5.5	E	B	70
		175/70R13	82T	4.5-(5.0)-6.0	E	B	70
		185/70R13	86H	4.5-(5.5)-6.0	-	B	70
80	155/80R13	79T	4.0-(4.5)-5.0	E	B	70	
60	165/60R14	75T	4.5-(5.0)-6.0	C	B	70	
	175/60R14	79H	5.0-(5.5)-6.0	C	B	70	
	185/60R14	82H	5.0-(5.5)-6.5	E	B	70	
	205/60R14	88H	5.5-(6.0)-6.5	-	B	70	
14	65	155/65R14	75T	4.5-(4.5)-5.5	E	B	70
	65	165/65R14	83H	4.5-(5.0)-6.0	C	B	70
		175/65R14	82H	5.0-(5.0)-6.0	E	B	70
		185/65R14	86H	5.0-(5.5)-6.5	E	B	70
	195/65R14	89H	5.5-(6.0)-7.0	C	B	70	
	70	165/70R14	81T	4.0-(5.0)-5.5	C	B	70
		175/70R14	84H	4.5-(5.0)-6.0	E	B	70
		175/70R14	88H XL	4.5-(5.0)-6.0	E	B	70
		185/70R14	88T	4.5-(5.5)-6.0	C	B	70
		185/70R14	88H	4.5-(5.5)-6.0	-	B	70
195/70R14		91H	5.0-(6.0)-6.5	-	B	70	
205/70R14		98H	5.0-(6.0)-7.0	-	B	70	
15	55	185/55R15	82H	5.0-(6.0)-6.5	-	B	70
	195/55R15	85V	5.5-(6.0)-7.0	E	B	70	
	60	175/60R15	81H	5.0-(5.0)-6.0	E	B	70
		185/60R15	84H	5.0-(5.5)-6.5	E	B	70
		185/60R15	88H XL	5.0-(5.5)-6.5	C	B	70
		195/60R15	88V	5.5-(6.0)-7.0	C	B	70
	205/60R15	91V	5.5-(6.0)-7.5	E	B	70	
	225/60R15	96H	6.0-(6.5)-8.0	C	B	70	
	65	175/65R15	84H	5.0-(5.5)-6.0	C	B	70
		185/65R15	88H	5.0-(5.5)-6.5	E	B	70
185/65R15		92H XL	5.0-(5.5)-6.5	C	B	70	
195/65R15		91V	5.5-(6.0)-7.0	C	B	70	
205/65R15		94V	5.5-(6.0)-7.5	E	B	70	
215/65R15	100H	6.0-(6.5)-7.5	C	B	70		

- Sport ●●●○○
- Comfort ●●●●○
- Economy ●●●●●

• Asymmetrical inner and outer shoulder design provides a better contact area for extra grip in hilly conditions. The inner shoulder's closer pitch design disperses water with extra efficiency

• Off-centre central rib improves performance on differing road surfaces

• Pitch arrangement designed to reduce noise from air vibration

• Concentrated grooves, multiple sipes and strong centre ribs reduce noise and improve handling

- New compound for durability and a low rolling resistance
- Quiet and comfortable
- Perfect high speed performance
- UTQG 400 A A

MEDALLION ALL SEASON ACP1

Enjoy the premium ride

The best of the best in every condition, the Medallion All Season truly lives up to its name, providing ultimate grip in both summer and winter. Due to its V-shaped grooves and two wavy circumferential grooves it can disperse water easily but also offer maximum grip in the snow. The 3D sipes in the tread pattern enhance stiffness while maintaining impressive handling.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB	
13	65	155/65R13	73T	4.5-(4.5)-5.5	E	B	70
	70	155/70R13	75T	4.0-(4.5)-5.0	E	B	70
		165/70R13	79T	4.0-(5.0)-5.5	E	B	70
80	155/80R13	83T XL	4.0-(4.5)-5.0	E	C	70	
14	60	185/60R14	82H	5.0-(5.5)-6.5	E	B	70
	65	155/65R14	75T	4.5-(4.5)-5.5	E	B	70
		165/65R14	79T	4.5-(5.0)-6.0	E	B	70
		165/65R14	83H XL	4.5-(5.0)-6.0	E	B	70
		175/65R14	82T	5.0-(5.0)-6.0	E	B	70
		185/65R14	86H	5.0-(5.5)-6.5	E	B	70
	70	165/70R14	81T	4.0-(5.0)-5.5	E	B	70
		175/70R14	88T XL	4.5-(5.0)-6.0	E	B	70
15	55	185/55R15	82H	5.0-(6.0)-6.5	E	B	70
	60	185/60R15	88H XL	5.0-(5.5)-6.5	E	B	70
		195/60R15	88H	5.5-(6.0)-7.0	E	B	70
	65	175/65R15	88H XL	5.0-(5.0)-6.0	E	B	70
		185/65R15	88H	5.0-(5.5)-6.5	E	B	70
	185/65R15	92H XL	5.0-(5.5)-6.5	C	B	70	
16	55	195/65R15	95V XL	5.5-(6.0)-7.0	C	B	70
		195/55R16	91V XL	5.5-(6.0)-7.0	C	B	70
		205/55R16	94V XL	5.5-(6.5)-7.5	C	B	70
		225/55R16	99V XL	6.0-(7.0)-8.0	E	B	70

* Tire labeling to be announced.

Sport ●●●○○

Comfort ●●●●○

Economy ●●●●○

• V-shaped lateral grooves and two wavy circumferential grooves optimise water dispersal and traction in snow

• 3D-sipe tread pattern design enhances stiffness and maintains handling

• Alternating pitch design reduces noise and provides a balanced performance in all terrains

- Perfect performance in both summer and winter
- High comfort
- Tread stiffness for super handling

MEDALLION WINTER WCP1

The ultimate winter tire

The Medallion Winter WCP1 is CST's ultimate winter tyre. Our winter compound combined with the specially designed 3D sipe pattern to deliver optimal handling in the coldest of conditions. The widened V-shaped tread pattern improves water dispersion while enhancing snow traction, while the jigsaw style circumferential grooves ensure carcass stiffness and handling performance are maintained. Now you can go anywhere without worrying about the weather.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB	
13	65	155/65R13	73T	4.5-(4.5)-5.5	E	B	70
	70	155/70R13	75T	4.0-(4.5)-5.0	E	B	70
	80	155/80R13	83T XL	4.0-(4.5)-5.0	E	B	70
14	60	185/60R14	82T	5.0-(5.5)-6.5	E	B	70
	65	155/65R14	75T	4.5-(4.5)-5.5	E	B	70
		165/65R14	79T	4.5-(5.0)-6.0	E	B	70
		165/65R14	83T XL	4.5-(5.0)-6.0	E	B	70
		175/65R14	82T	5.0-(5.0)-6.0	E	B	70
	70	185/65R14	86T	5.0-(5.5)-6.5	E	B	70
		165/70R14	81T	4.0-(5.0)-5.5	E	B	70
	15	55	175/70R14	88T XL	4.5-(5.0)-6.0	E	B
60		185/55R15	86H XL	5.0-(6.0)-6.5	E	B	70
		185/60R15	88H XL	5.0-(5.5)-6.5	E	B	70
		195/60R15	88H	5.5-(6.0)-7.0	E	B	70
65		175/65R15	88H XL	5.0-(5.0)-6.0	E	B	70
		185/65R15	88T	5.0-(5.5)-6.5	E	B	70
16	55	195/65R15	91T	5.5-(6.0)-7.0	E	B	70
	55	205/55R16	91H	5.5-(6.5)-7.5	E	B	70
		225/55R16	99H XL	6.0-(7.0)-8.0	C	C	72

*The labeling to be announced.

Sport ●●●○○
 Comfort ●●●●○
 Economy ●●●●○



- Wide V-shape lateral grooves improves snow traction and water dispersion
- 3D-sipe tread pattern enhances stiffness and maintains handling
- Longitudinal interlock jigsaw pattern for improved stiffness and handling performance

- Ultimate winter tire
- Enhanced handling performance
- Super comfortable

CRUCERO CS889

Comfortably durable

With a solid central rib the Crucero delivers amazing stability during acceleration and cornering, while the rib blocks on the shoulders help to prevent noise and uneven wear. This, combined with low rolling resistance and high comfort characteristics, makes the Crucero a true all-rounder.

Sport ●●●○○
 Comfort ●●●●○
 Economy ●●●●●

Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	
13	70	185/70R13	86H	4.5-(5.5)-6.0	530	44
		185/60R14	82H	5.0-(5.5)-6.5	475	44
60	60	195/60R14	86H	5.5-(6.0)-7.0	530	44
		205/60R14	88H	5.5-(6.0)-7.5	560	44
		175/65R14	82H	5.0-(5.0)-6.0	475	44
14	65	185/65R14	86H	5.0-(5.5)-6.5	530	44
		185/70R14	88T	4.5-(5.5)-6.0	560	44
	70	195/70R14	91H	5.0-(6.0)-6.5	615	44
		205/70R14	95H	5.0-(6.0)-7.0	690	44
		205/75R14	95S	5.0-(5.5)-7.0	690	44
15	50	195/50R15	82V	5.5-(6.0)-7.0	475	44
		185/55R15	82H	5.0-(6.0)-6.5	475	44
	55	195/55R15	85V	5.5-(6.0)-7.0	515	44
		185/60R15	84H	5.0-(5.5)-6.5	500	44
		195/60R15	88H	5.5-(6.0)-7.0	560	44
	65	185/65R15	88H	5.0-(5.5)-6.5	560	44
		195/65R15	91V	5.5-(6.0)-7.0	615	44
205/65R15		94V	5.5-(6.0)-7.5	670	44	
215/65R15		100H XL	6.0-(6.5)-7.5	800	44	
16	55	195/55R16	91V	5.5-(6.0)-7.0	615	50
		205/55R16	91V	5.5-(6.5)-7.5	615	44
		215/55R16	93V	6.0-(7.0)-7.5	650	44
	60	225/55R16	95V	6.5-(7.0)-8.5	690	44
		195/60R16	89V	5.5-(6.0)-7.0	580	44
65	205/60R16	92V	5.5-(6.0)-7.5	630	44	
	215/60 R16	95V	6.0-(6.5)-7.5	690	44	
	235/60R16	100V	6.0-(7.0)-8.0	800	44	
65	205/65R16	95H	5.5-(6.0)-7.5	690	44	

- Solid central rib delivers stability when accelerating and cornering
- Straight rib block on shoulders helps to prevent noise and uneven wear
- Mixed pitch and sipe arrangement minimises pattern noise

- One of drivers' top choices for premium vehicles
- Excellent combination of ride comfort and durability
- Highly rated for consumer confidence. outstanding uniformity characteristics
- UTQG 460 A A

CAMPEON CS920

Long life & Mileage

Through its closed shoulder design, the Campeon delivers reduced tyre noise for an enhanced quiet performance and long life durability. The arrow pattern reduces uneven wear and improves straight-line stability, a combination that provides long-lasting tyre life.

Sport ●●●○○
Comfort ●●●○○
Economy ●●●●●

Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	
13	70	165/70R13	79T	4.0-(5.0)-5.5	963	44
	60	185/60R14	82H	5.0-(5.5)-6.5	1047	44
14		195/60R14	86H	5.5-(6.0)-7.0	1168	44
	65	165/65R14	83H XL	4.5-(5.0)-6.0	1074	50
		175/65R14	82H	5.0-(5.5)-6.0	1047	44
	70	185/65R14	86H	5.0-(5.5)-6.5	1168	44
175/70R14		84H	4.5-(5.0)-6.0	1102	44	
185/70R14		92H	5.0-(5.5)-6.0	1389	50	
15	60	185/60R15	88H XL	5.0-(5.5)-6.5	1235	44
		195/60R15	88H	5.5-(6.0)-7.0	1235	44
	65	185/65R15	88H	5.0-(5.5)-6.5	1235	44
		195/65R15	91H	5.5-(6.0)-7.0	1358	44
		205/65R15	94H	5.5-(6.0)-7.5	1477	50



- Closed shoulder design reduces noise for a quieter ride and uniform durability
- Arrow tread pattern enhances durability and high-speed straight-line stability

- Unique pattern design improves drainage
- Closed shoulder design for a more comfortable driving experience
- Excellent wear resistance
- UTQG 560 A A

CAMPEON CS868

Your economical choice

The Campeon CS868 is a combination of everything that is necessary. Two high, stiff, straight ribs with three major grooves offer excellent water evacuation for good wet traction and long-lasting tread wear go hand in hand from now on.

Sport ●●●○○
Comfort ●●●○○
Economy ●●●●○

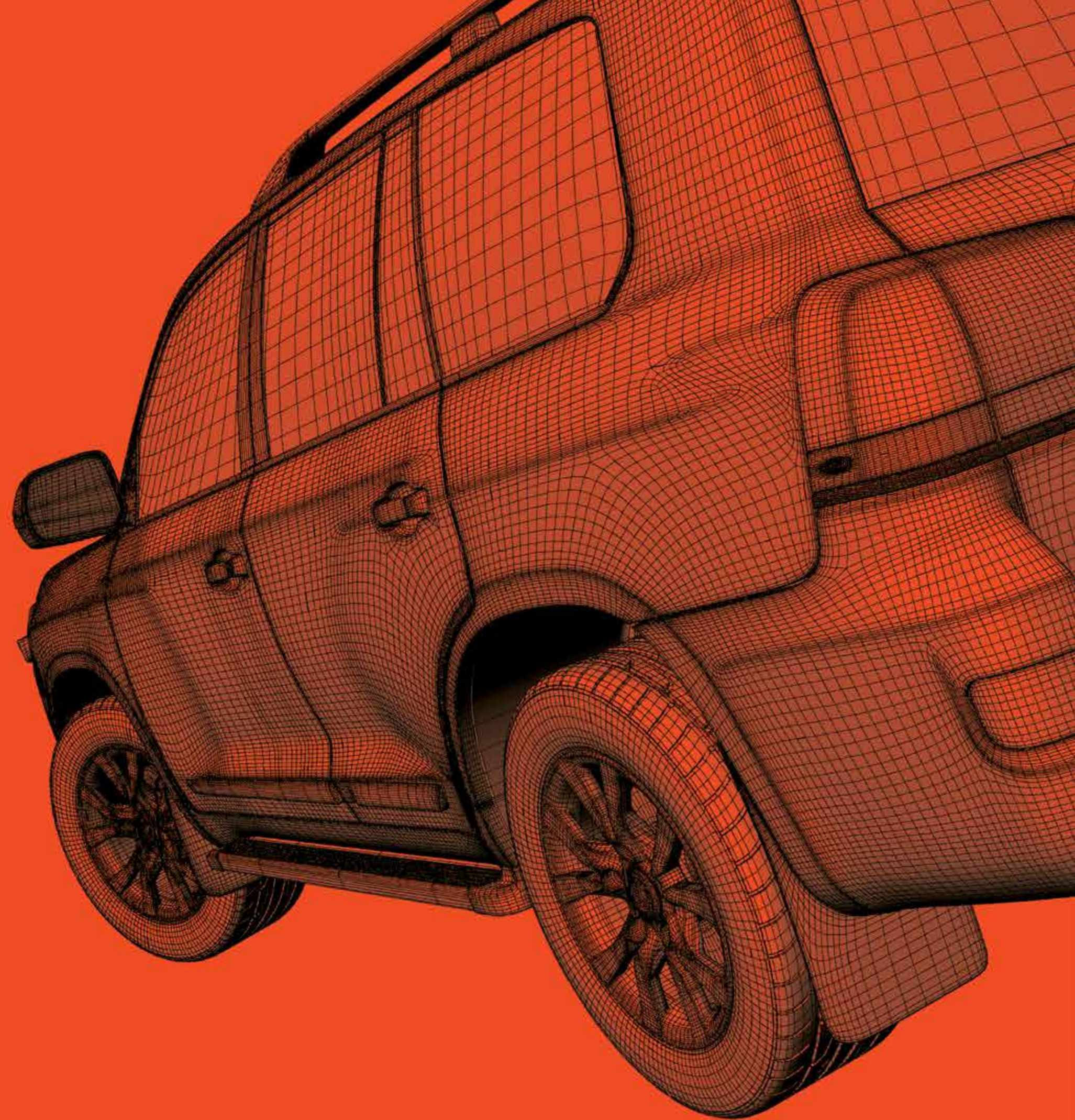
Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	
13	60	175/60R13	77H	5.0-(5.0)-6.0	412	44
	65	155/65R13	73H	4.5-(4.5)-5.5	365	44
		165/65R13	77H	4.5-(5.0)-6.0	412	44
	70	165/70R13	79T	4.0-(5.0)-5.5	437	44
	80	175/70R13	82T	4.0-(5.0)-6.0	475	44
14	60	165/60R14	75H	4.5-(5.0)-6.0	387	44
		175/60R14	79H	5.0-(5.5)-6.0	437	44
	70	165/70R14	81H	4.0-(5.0)-5.5	462	44
		175/70R14	84H	4.5-(5.0)-6.0	500	44
15	80	185/80R14	91T	4.5-(5.0)-6.0	615	44
		175/65R15	84H	5.0-(5.5)-6.0	500	44



- Tie-bars between shoulder nobs minimize nob deformation and prevent uneven wear
- Two high, stiff, straight ribs with three major grooves offer excellent water evacuation for good wet traction and long-lasting tread wear
- Staggered transverse grooves reduce high frequency tread pattern noise

- Best balance of safety, durability, ride comfort and economy
- Specially designed for economy vehicles. an excellent trade-off between performance and price
- Long-lasting tread life and durability
- UTQG 520 A A

CST®
SUV & 4X4



SAHARA A/TII

Professional Off road tire

The Sahara A/TII is the perfect tyre for heavy loads in on and off-road conditions. With a square profile that provides an even and flat contact patch, a tread pattern void reduced to optimise mileage and tread life, and jagged edged tread blocks, the Sahara A/TII provides ultimate traction on all terrains.

On-Road ●●●○○
 Off-Road ●●●●○
 Durability ●●●●○

Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)
15	30X9.5R15 LT6PR	104Q*	6.5-(7.5)-8.5	900	50
	31X10.50R15 LT6PR	109Q*	7.0-(8.5)-9.0	1030	50
16	245/70R16	111T	6.5-(7.0)-8.0	1090	50
	255/70R16	111T	6.5-(7.5)-8.5	1090	44
	265/70R16	112T	7.0-(8.0)-9.0	1120	44
	LT245/75R16 6PR	108/104Q*	6.5-(7.0)-8.0	S1000/D910	50
	LT265/75R16 8PR	119/116Q*	7.0-(7.5)-8.0	S1360/D1250	65
	LT285/75R16 6PR	116/113Q*	7.5-(8.0)-9.0	S1250/D1150	50
17	LT305/70R16 8PR	118/115Q*	8.0-(9.0)-9.5	S1320/D1215	50
	LT315/75R16 8PR	121Q*	8.0-(8.5)-11.0	1450	50
	265/65R17	112T	7.5-(8.0)-9.5	1120	44
	LT285/70R17 8PR	121/118Q*	7.5-(8.5)-9.0	S1450/D1320	65
18	LT305/70R17 8PR	119/116Q*	8.0-(9.0)-9.5	S1360/D1250	50
	LT315/70R17 8PR	121/118Q*	8.0-(9.5)-11.0	S1450/D1320	65
18	265/60R18	110T	7.5-(8.0)-9.5	1060	44

*Professional Off-road tires exempt from EU labeling regulation.

• Jagged edge tread design to maximise off-road traction

• Square tyre profile design provides a greater contact patch under high loads

• Reduced void ratio optimises mileage and increases tyre life

• Super off-road performance

• Long lasting tread

• Perfect loading capacity in on and off-road conditions

SAHARA M/TII

Mud Terrain

The M/TII is a true off-road tyre. The 3D block design gives increased strength for improved durability and tread stiffness, while improved heat dissipation minimises rising temperatures at higher speeds, slowing down compound ageing. Grooves at the side improve mud dispersal in the toughest conditions.

On-Road ●●●○○
 Off-Road ●●●●●
 Durability ●●●●○

Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)
15	31X10.50R15 LT6PR	109Q	7.0-(8.5)-9.0	1030	50
	32X11.50R15 LT6PR	113Q	8.0-(9.0)-10.0	1150	50
	33X12.50R15 LT6PR	108Q	8.5-(10.0)-11.0	1000	35
16	LT245/75R16 10PR	120/116Q	6.5-(7.0)-8.0	S1400/D1250	80
	LT265/75R16 10PR	123/120Q	7.0-(7.5)-8.0	S1550/D1400	80
17	LT265/65R17 8PR	117/114Q	7.5-(8.0)-9.5	S1285/D1180	65

*Professional Off-road tires exempt from EU labeling regulation.



• Heat dissipation minimises rising temperatures at higher speeds and slows down compound ageing

• Grooved rib design digs out mud and pumps through tough terrains

• 3D block design increases tyre durability and tread stiffness

- Extreme off-road performance
- Long lasting tread life
- Never lose any traction

SAHARA CS900

Comfortably quiet.

The CS900 is especially designed for a quieter ride. Thread grooves in differing directions minimise sharp sound and a wavy sipe design helps to maintain tyre stiffness. A secondary groove pattern minimises further noise such as thread whistle.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	RR	WG	dB	
15	70	215/70R15	5.5-(6.5)-7.0	E	B	70	
		255/70R15	6.5-(7.5)-8.5	C	B	70	
60	60	205/60R16	5.5-(6.0)-7.5	E	B	70	
		225/60R16	6.0-(6.5)-8.0	E	B	70	
		235/60R16	6.5-(7.0)-8.5	C	B	70	
16	65	215/65R16	6.0-(6.5)-7.5	C	B	70	
		215/70R16	5.5-(6.5)-7.0	C	B	70	
	70	225/70R16	6.5-(7.5)-8.5	C	B	70	
		245/70R16	6.5-(7.0)-8.0	E	B	70	
		265/70R16	7.0-(8.0)-9.0	C	B	70	
		275/70R16	7.0-(8.0)-9.0	E	B	70	
		235/55R17	114H	6.5-(7.5)-8.5	C	B	70
17	60	215/60R17	6.0-(6.5)-7.5	E	B	70	
		225/60R17	6.0-(6.5)-8.0	C	B	70	
		235/60R17	6.5-(7.0)-8.5	E	B	70	
		255/60R17	7.0-(7.5)-9.0	C	B	70	
	65	225/65R17	110V XL	6.0-(6.5)-8.0	E	B	70
		235/65R17	102H	6.5-(7.0)-8.5	C	B	70
		245/65R17	108V XL	7.0-(7.0)-8.5	C	B	70
		265/65R17	107H	7.5-(8.0)-9.5	C	B	70
		275/65R17	112H	7.5-(8.0)-9.5	C	B	70
		245/70R17	115T	6.5-(7.0)-8.0	C	B	70
18	55	265/70R17	114T XL	7.0-(8.0)-9.0	C	B	70
		215/55R18	115T	6.0-(7.0)-7.5	E	B	70
		225/55R18	95H	6.0-(7.0)-8.0	E	B	70
		235/55R18	98V	6.5-(7.5)-8.5	C	B	70
	60	255/55R18	100V	7.0-(8.0)-9.0	C	B	70
		225/60R18	109H XL	6.0-(6.5)-8.0	C	B	70
		235/60R18	100V	6.5-(7.0)-8.5	C	B	70
		245/60R18	103V	7.0-(7.0)-8.5	C	B	70
		265/60R18	105H	7.5-(8.0)-9.5	C	B	72
		275/65R18	110V	7.5-(8.0)-9.5	C	B	70
70	255/70R18	116H	6.5-(7.5)-8.5	C	B	70	
	265/70R18	113H	7.0-(8.0)-9.0	C	B	70	

Sport ●●●○○
 Comfort ●●●●●
 Economy ●●●●○

• Continuous open tread block design balances contact force to minimise uneven tread wear

• Secondary tread pattern with zigzag design breaks down water film and reduces the chance of aquaplaning

• Sipe arrangement with a wavy pattern helps to maintain central rib stiffness

• Knife and crossmark-shaped grooves help minimise high-pitched noise

- Excellent performance on dry and wet roads with consistent comfort and a quiet ride
- High-efficiency, energy-saving and environmentally friendly rubber compound offers impressive fuel economy
- Advanced tire tread and casing designs enhance braking and handling performance
- UTQG 480 A A

SAHARA CS901

No stress, only comfort

It doesn't matter where you go, you just want to get there, and through its stand-alone tread blocks and U-shaped grooves, the Sahara CS901 provides the maximum traction you need – on and off-road – to get you there safely.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)
70	P205/70R15	96H	5.0-(6.0)-7.0	710	44
	P215/70R15	98S	5.5-(6.0)-7.0	750	44
	P225/70R15	100S	6.0-(6.5)-7.5	800	44
15 75	P205/75R15	97S	5.0-(5.5)-7.0	730	44
	P215/75 R15	100S	5.5-(6.0)-7.5	800	44
	P225/75R15	102S	6.0-(6.0)-7.5	850	44
LT	P235/75R15	105S	6.0-(6.5)-8.0	925	44
	LT31X10.50R15 6PR	109S	7.0-(8.5)-9.0	1030	50
	LT215/75R15 6PR	100/97S	5.5-(6.0)-7.0	S800/D730	50
16 70	LT235/75R15 PR	104/101Q	6.0-(6.5)-7.0	S900/D825	50
	P235/70R16	106T	6.0-(7.0)-8.0	950	44
	P255/70R16	111S	6.5-(7.5)-8.5	1090	44
	P265/75R16	116T	7.0-(8.0)-9.0	1120	44
16 75	P245/75R16	111S	6.5-(7.0)-8.0	1090	44
	LT245/75R16 6PR	108/104S	6.5-(7.0)-8.0	S1000/D910	50
17 65	P285/65R17	116T	8.0-(8.5)-10.0	1250	44

- Sport ●●●○○
- Comfort ●●●●○
- Economy ●●●●○



- Special shoulder design minimises uneven shoulder stress and abnormal wear
- Stand-alone tread blocks give uniform contact force for better ride comfort on all terrains
- U-shaped groove walls further improve traction capabilities

- Modern tread pattern design with advanced tread compound promotes cornering traction and handling
- Special shoulder design prevents irregular wear in shoulder area for long tread life
- Enhanced casing strength improves impact resistance on off-road terrain
- UTQG 640 A B



SAHARA CS912

All Terrain tires

Just perfect for off-road driving, the Sahara CS912 delivers outstanding traction on the roughest surfaces. Furthermore, the block pattern design provides even balance between tread stiffness and tread noise. The staggered open shoulder blocks enhance water dispersion and self-cleaning, resulting in more grip and traction.

On-Road ●●●○○
 Off-Road ●●●●○
 Durability ●●●●○

Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	
14	75	215/75R14	100S	5.5-(6.0)-6.5	800	44
		225/70R15	100S	6.0-(6.5)-7.0	800	44
70	255/70R15	108T	6.5-(7.5)-8.5	1000	44	
	265/70R15	112S	7.0-(8.0)-9.0	1120	44	
15	75	225/75R15	102S	6.0-(6.0)-7.5	850	44
		LT215/75R15 6PR	100/97S	5.5-(6.0)-7.0	S800/D730	50
		LT215/75R15 6PR	100/97Q*	5.5-(6.0)-7.0	S800/D730	50
		LT235/75R15 6PR	104/101S	6.0-(6.5)-8.0	S900/D825	50
LT	75	LT235/75R15 6PR	104/101Q*	6.0-(6.5)-8.0	S900/D825	50
		235/60R16	104H XL	6.5-(7.0)-8.5	900	50
		235/70R16	106T	6.0-(7.0)-8.0	950	44
		245/70R16	107T	6.5-(7.0)-8.0	975	44
70	255/70R16	111T	6.5-(7.5)-8.5	1090	44	
	265/70R16	112T	7.0-(8.0)-9.0	1120	44	
	75	235/75R16	108T	6.0-(6.5)-8.0	1000	44
		LT225/75R16 10PR	115/112Q*	6.0-(6.0)-7.0	S1215/D1120	80
LT245/75R16 6PR		108/104S	6.0-(7.0)-8.0	S1000/D900	50	
LT245/75R16 6PR		108/104Q*	6.0-(7.0)-8.0	S1000/D900	50	
LT	205R16C 8PR	110/108Q*	5.5-(6.0)-6.5	D1060/S1000	65	
	65	235/65R17	104T	6.5-(7.0)-8.5	900	44
		265/65R17	112T	7.5-(8.0)-9.5	1120	44
275/65R17		115T	7.5-(8.0)-9.5	1215	44	

*Professional Off-road tires exempt from EU labeling regulation.



- Block pattern tread design gives more off-road traction and better water dispersion. Multiple tread blocks offer the right balance between tread stiffness with tread noise
- Specially designed grooves with inverted angles prevent stone retention, help water evacuation and lower tread pattern noise
- 3D tread groove design gives better performance in the mud and snow
- Staggered open shoulder blocks enhance water dispersion and self-cleaning capabilities for improved traction and grip
- Tie-bars between tread blocks enhance rigidity for better traction

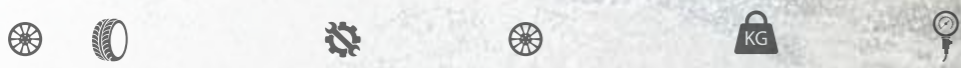
- Large tread block design offers excellent performance on all terrain
- Excellent enhanced tread wear and cut-and-chip resistance with low noise levels
- Offers good handling and braking traction, provides strong drivability on all terrain
- Features excellent handling on wet surfaces along with highspeed stability
- UTQG 500 A B

LAND DRAGON CL-18

This will get you anywhere

The Land Dragon is everything you'd expect and more from an extreme off-road tyre. With an aggressive chunky tread especially designed for extraordinary off-road conditions, nothing is stopping the Land Dragon.

On-Road ●●●○○
 Off-Road ●●●●●
 Durability ●●●●○



Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)
15	33x11.50-15 6PR	115 K	7.5-(9.0)-10.0	1215	45
	35X12.50-15 6PR	113K	8.0-(10.0)-11.0	1150	30
	38X12.50 -15 6PR	115K	8.0-(10.0)-11.0	1215	45
16	31X10.50-16 6PR	109 K	7.0 -(7.0)- 9.0	1030	45
	33X10.50 -16 6PR	114 K	7.0-(7.0)- 9.0	1180	45
	35X10.50-16 6PR	119 K	7.0 -(7.0)- 9.0	1360	45
	36X12.50-16 6PR	112 K	8.0-(10.0)-11.0	1120	30

*Professional Off-road tires exempt from EU labeling regulation.



• Extended shoulders for rim protection

• Blocked midsection for optimized traction

• Heavy side grooves for diverting water and mud

- Quadrate design in shoulder improves traction ability
- Wider groove in the middle of tread and convex strip on the tread bottom to advance the capacity of releasing mud
- Truck race in short distance muddy and swampy terrain

C-888

Traction Control

A strong and transverse pattern design is what gives it great traction. This pattern also creates the ability to release water and mud easier, giving it more grip and traction.

On-Road ●●●○○
 Off-Road ●●●●●
 Durability ●●●●○

Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)
15	31X10.5 -15 6PR	110 K	7.0-(8.5)-9.0	1056	45
16	32X10.5 -16 6PR	111 K	7.0-(8.5)-9.0	1088	45

*Professional Off road tire exempt from EU labeling regulation



• Quadrate shoulders for ultimate traction

• Wide middle groove pattern

• Convex strip for releasing mud

- Strong and transverse pattern design for great capacity of traction
- Strengthened control performance in turning and extraordinary sprint performance
- Specific pattern design in tire shoulder offers better ability to release water and mud
- Nubby pattern design for tire shoulder to protect rim



CST[®]
COMMERCIAL TIRES

CL31

The Transporter

Using an enhanced sidewall structure for a higher load capacity, the CL31 is a true transporter tyre. With a combination of an advanced casing structure and an excellent wear-resistant compound, the CL31 is made to be the ultimate option for any light truck.

Sport ●●●○○
Comfort ●●●○○
Economy ●●●●●



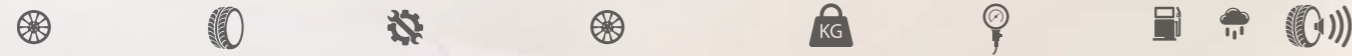
Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	RR	WG	dB
12	LT 5.00R12 8PR	83/81P	3.0-(3.5)-4.0	S485/D465	65	C	B	71
	LT 5.00R12 10PR	88/86P	3.0-(3.5)-4.0	S1250/D1180	75	E	B	71
13	LT 5.50R13 12PR	97/95P	(4.0)-4.5	S730/D690	97	E	B	71
	155R13C 8PR	91/89N	4.5-(4.5)-5.0	S615/D580	65	E	B	71
	165R13C 8PR	94/93N	4.5-(4.5)-5.0	S670/D650	65	E	B	71
	165/70R13C 6PR	88/86S	4.0-(5.0)-5.5	S560/D530	54	E	B	71
	175R13C 8PR	97/95N	4.5-(5.0)-5.5	S730/D690	65	E	B	71
14	6.50R14C 8PR	102/100N	(4.5)-5.0	S850/D800	65	E	B	71
	165R14C 8PR	97/95R	4.5-(5.0)-5.0	S730/D690	65	E	B	71
	175R14C 8PR	99/98N	4.5-(5.0)-5.5	S775/D750	65	E	B	71
	175/70R14C 8PR	99/98N	4.5-(5.0)-6.0	S775/D750	65	E	B	71
	185R14C 8PR	102/100R	4.5-(5.5)-6.0	S850/D800	65	E	B	71
	195R14C 8PR	106/104R	5.0-(5.5)-6.0	S950/D900	65	E	B	71
	205R14C 8PR	109/107Q	5.0-(6.0)-6.5	S1030/D975	65	E	B	71
15	215/75R14C 8PR	112/110Q	5.5-(6.0)-7.0	S1120/D1060	69	E	B	71
	185R15C 8PR	103/102Q	5.0-(5.5)-6.0	S875/D850	65	E	B	71
	195R15C 8PR	106/104R	5.0-(5.5)-6.0	S950/D900	65	E	B	71
	195/70R15C 8PR	104/102S	5.0-(6.0)-6.0	S900/D850	65	E	B	71
	205/70R15C 8PR	106/104R	5.5-(6.0)-6.5	S950/D900	65	E	B	71
	215/70R15C 8PR	109/107Q	5.5-(6.5)-7.0	S1030/D975	65	E	B	71
	225/70R15C 8PR	112/110Q	6.0-(6.5)-7.0	S1120/D1060	69	E	B	71
16	195/75R16C 8PR	107/105R	5.0-(5.5)-6.5	S975/D925	69	E	B	71
	205R16C 8PR	110/108Q	5.5-(6.5)-7.0	S1060/D1000	65	E	B	71
	215/75R16C 8PR	113/111R	5.5-(6.0)-7.0	S1150/D1090	69	E	B	71
	215/75R16C 10PR	116/114R	5.5-(6.0)-7.0	S1250/D1180	69	E	B	71
	LT235/85R16 10PR	120/116Q	6.0-(6.5)-7.5	S1380/D1260	81	E	B	72



VAN MASTER VR36

Precious cargo

The Van Master is designed with safety in mind, so whether you're transporting a load or driving your family from place to place, the VR36 is the tyre for you. The three central lateral grooves help to disperse water efficiently, while rib-type shoulder blocks increase wear resistance while reducing rolling resistance and noise.



Rim / Aspect Ratio	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	RR	WG	Noise	
14	80	185R14C	102/100R	5.0-(5.5)-6.0	S850/D800	65	-	-	-
		195R14C	106/104R	5.0-(5.5)-6.0	S950/D900	65	-	-	-
16	65	195/65R16C	104/102R	5.5-(6.0)-6.0	S900/D850	69	-	-	-
		205/65R16C	107/105T	5.5-(6.0)-6.5	S975/D925	69	-	-	-
		215/65R16C	109/107T	6.0-(6.5)-7.0	S1030/D975	69	-	-	-
		235/65R16C	112/110R	6.0-(6.5)-7.0	S1120/D1060	69	-	-	-
		235/65R16C	115/113R	6.5-(7.0)-7.5	S1215/D1150	69	-	-	-

*Tire labeling to be announced.

Sport ●●●○○
Comfort ●●●●○
Economy ●●●●○



• Three Central Grooves with Lateral Groove Design: Enhance water dispersing effectiveness and tread life.

• High Wear Resistance and Low Heat Build-up Tread Compound: Improves durability and tread life.

• Closed Lateral Grooves on Shoulder: Increases shoulder stiffness and improves shoulder wear.

• Three stiff straight ribs with two shoulder ribs offer good braking traction, and good contact area for straight-line stability.

- Long thread life
- Improved durability in every situation
- Great feel due to the closed grooves on the pattern shoulder
- No matter what your carrying, you'll get it there!

CS105

Far longer delivery

The CS105 is everything you would look for in a van or light truck tyre. Developed to be long lasting and heavy-load bearing, you'll be able to carry whatever you want wherever you need to go.



Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)	RR	WG	dB
15	6.50R15 10PR	106/101N	(5.5)-6.0	S950/D825	81	F	B	70
	7.00R15 12PR	113/109N	(5.5)-6.0	S1150/D1030	97	E	B	70
16	6.50R16 10PR	107/102N	5.0-(5.5)	S975/D850	81	E	B	70
	7.00R16 12PR	115/110N	(5.5)-6.0	S1215/D1060	97	E	B	70
	7.50R16 12PR	121/120N	5.5-(6.0)-6.5	S1450/D1400	97	C	B	70

Sport ●●●○○
Comfort ●●●○○
Economy ●●●○○

• High sidewall for maximum weight bearing capacity

• Straight-line tread for load bearing and stability

• Tread pattern designed to eject debris for extra grip

• High mileage and high loadability

• Special compound enhances wear and cutting resistance

• Enhanced long tire life

VOYAGE VA77

Special radial trailer

Sport ●●●○○

Comfort ●●●●○

Economy ●●●●○

In the Voyage, CST has delivered everything you could possibly expect from a van or light truck tyre. Long life combined with performance that delivers comfort and safety results in a tyre that will get you everywhere with everything.

Rim	Size	Service description	Approved Rim Width(in)	Max Load (kg)	Max Pressure (PSI)
13	ST175/80 R13 6PR	91/87L	4.5-(5.0)-5.5	S615/D545	50
	ST185/80 R13 6PR	94/89L	4.5-(5.0)-6.0	S670/D580	50
14	ST205/75 R14 6PR	100/96L	5.0-(5.5)-6.5	S800/D710	50
	ST215/75 R14 6PR	102/98L	5.5-(6.0)-7.0	S850/D750	50
15	ST205/75 R15 6PR	101/97L	5.0-(5.5)-6.5	S825/D730	50
	ST205/75 R15 8PR	107/102L	5.0-(5.5)-6.5	S975/D850	65
	ST225/75 R15 8PR	113/108L	6.0-(6.0)-7.0	S1150/D1000	65
16	ST225/75 R15 10PR	117/112L	6.0-(6.0)-7.0	S1285/D1120	80
	ST235/80 R16 10PR	123/119L	6.0-(6.5)-7.5	S1550/D1360	80

CST[®]
TRAILER TIRES



Tire Safety

Important tire information

When customers choose CST, they're getting a product designed to deliver safety along with performance. But even the best tires must be used with caution and with close attention to safe practices. Following the guidelines and recommendations below will help to reduce the chance of accident or injury.

Always refer to the vehicle's tire information placard.

- It is preferable to replace a vehicle's tires with ones that correspond to the vehicle's manufacturer-recommended specifications.
- Tire speed ratings and load-carrying capacity should always be equal to or greater than the original equipment tires.

Service Description

Most tires have a service description that appears at the end of the tire size. This service description has a two-digit number which represents the load index, and a letter which represents the speed rating.

Example: 86H. The load index represents the maximum load each tire is designed to carry at the tire's maximum inflation pressure.

Speed Rating

Speed ratings are certified sustained speed designations assigned to passenger car radials and high performance tires. In the U.S., these ratings are based on tire testing in laboratory conditions under simulated loads. For a tire to be speed-rated, it must meet certain minimum government standards for reaching and maintaining that specified speed. Any speed symbol denoting a fixed maximum speed capability will be at the end of the service description following the load index. Tire installers should refer to the vehicle's owner's manual to identify any tire speed rating restriction or recommendation that could affect the operation of the vehicle. If the replacement tires have a lower speed rating than what is specified as original equipment, the consumer should be aware that the vehicle's speed must be restricted to that of the replacement tires. CST does not recommend mixing tires of different speed ratings on a vehicle.

Note: Speed ratings apply only to the tire, not to the vehicle. Putting speed-rated tires on any vehicle does not mean that the vehicle can be operated at the tire's rated speed. Refer to the vehicle's operating manual for specific information.

Ply Rating vs. Load Range

- Ply ratings and load ranges denote the load capability and inflation limits of a given tire size when used in a specified type of service.
- **Ply Rating:** An older method of rating load capacity. These are shown as 4-ply rated, 6-ply rated, 8-ply rated, etc.
- **Load Range:** This is the current method of rating the tire's load-carrying capacity and is denoted by letters: B, C, D, E, etc.

Uniform Tire Quality Grade (UTQG)

The UTQG, which is required by the government, provides comparative manufacturer information. Tires are subjected to a series of government-mandated tests that measure performance of treadwear, traction and temperature resistance. All testing is done by the individual manufacturer.

- **Treadwear:** A measurement of tread durability. Tested against an industry standard, the assigned numerical grade indicates how well the tread lasts compared to a reference of 100. Actual wear depends on the conditions under which the tire is used. Driving habits, vehicle maintenance, road surface differences and climate variations all affect treadwear.
- **Traction:** A measurement of the tire's ability to stop on wet test surfaces of asphalt and concrete under controlled conditions. Traction grades are assigned by the UTQG system and branded on the sidewall of the tire. The traction grade is determined only for straight-ahead wet braking. It does not include cornering, which might be important for customer performance needs.
- **Temperature (resistance):** a measure of resistance to heat generation under normal operating conditions. The test is conducted under predetermined standards for inflation and loading. Excessive speed, under-inflation and overloading can all cause adverse heat build-up. Sustained high temperatures can reduce tire durability. Temperature grades are branded on the sidewall of the tire.

DOT (Department of Transportation) Certification

A DOT brand on the tire's sidewall indicates that the tire has been certified by the Department of Transportation. Following the DOT brand is a serial number that denotes the tire's manufacturer, the manufacturing plant, tire size code and date of manufacture. While consumer tire registration is voluntary, federal law requires that the selling dealer record the DOT identification numbers and provide the DOT registration form to the consumer.

Mounting Procedures

Be sure to observe the following when mounting CST tires:

- Lubricate both top and bottom beads with an approved lubricant. Never exceed 40 PSI to seat the beads.
- Both tire beads should be securely seated on the rim.
- Always replace a tire with another tire of the same bead diameter designation and suffix letters.
- A new valve stem should be installed in the rim each time a worn tire (passenger or light truck) is replaced.
- Never put any flammable substance in the tire/rim assembly at any time. Never use any flammable substance in a tire/rim assembly and attempt to ignite in order to seat the beads.
- Be sure that the wheel is securely seated on the hub face.
- Do not stand, lean or reach over the assembly during inflation.
- Be sure that all lug nuts have been properly torqued to the manufacturer's specifications.
- Be sure that there is no build-up of dirt or debris between the hub and the wheel.
- Be sure that the wheel is not bent or damaged. **The wheel should not be used if:**
 - The flange is bent.
 - The welds or rivets are leaking.
 - The stud holes are elongated (rather than round).
 - The wheel has more than 1/16" radial or lateral run-out.
- **Matching tires on four-wheel drive and all-wheel drive vehicles:** special attention should be paid to ensure that all four tires are closely matched in height and width to avoid strain and possible damage to the vehicle. Tire inflation pressure also affects the tire's rolling circumference and should be matched according to the vehicle manufacturer's recommendations. Always check the vehicle manufacturer's recommendations prior to installing new tires.

Warning: improper mounting, under-inflation, overloading or tire damage may result in tire failure, which may lead to serious injury or death. Tire and rim sizes must correspond for proper fit and application.

Warning: Tire changing can be dangerous and should be done only by trained persons using proper tools and procedures as established by the Rubber Manufacturers Association. Failure to comply with proper procedures may result in incorrect positioning of the tire or wheel assembly which could cause the assembly to explode with enough force to cause serious physical injury or death. Never mount or use damaged tires.

If replacing fewer than four tires:

It is always preferred and CST recommends that **ALL FOUR** tires be replaced at the same time to optimize vehicle performance. In those cases where it is not feasible to install four new tires at the same time, some general guidelines are below. However, if the vehicle manufacturer has alternate recommendations, always follow those guidelines.

Replacing two tires: When only two new tires are purchased, they should be installed on the rear axle, as long as the new tires have a speed rating equal to or greater than the speed rating as compared to the front tires. Generally, new tires will provide better grip and evacuate water more effectively, which is important when a driver encounters hydroplaning situations. When placed on the rear axle, new tires or tires with deeper tread depth than the front tires provide greater traction on wet surfaces. This can also help prevent a possible oversteer condition and loss of vehicle stability.

Replacing one tire: While not recommended, if a single tire replacement is unavoidable, it is best to pair the new tire with the tire that has the deepest tread, and that both be placed on the rear axle. When placed on the rear axle, new tires or tires with deeper tread depth than the front tires provide greater traction on wet surfaces. This can also help prevent a possible oversteer condition and loss of vehicle stability.

Tire Speed Rating Chart

The rating system shown below displays the top speed for which a tire is certified. It does not indicate the total performance capacity of a tire. This information will not be found on all tires. The speed rating denotes the speed for which a tire was designed to be driven for extended periods.

Rating Symbol	Speed (km/h)	Speed (mph)	Rating Symbol	Speed (km/h)	Speed (mph)
B	50	31	P	150	93
C	60	37	Q	160	99
D	65	40	R	170	106
E	70	43	S	180	112
F	80	50	T	190	118
G	90	56	U	200	124
J	100	62	H	210	130
K	110	68	V	240	149
L	120	75	W	270	168
M	130	81	Y	300	186
N	140	87	ZR	Over 240	Over 150

For tires having a maximum speed capability above 149 mph (240 km/h), a "ZR" may appear in the size designation. For tires having a maximum speed capability above 186 mph (300 km/h), a "ZR" must appear in the size designation, including a "Y" speed symbol in brackets. **Example:** P275/40R17 93W at 168 mph (270km/h) or P275/40ZR17 at above 149 mph (240 km/h).

ALL THE TIRES IN THIS CATALOG ARE TUBELESS.

TIRE SAFETY

Riding on worn tires can cause loss of traction, leading to an accident and possible serious injury. Replace your tires when there is only 2/32" of tread depth remaining. All DOT-approved tires have a tread-wear indicator bar woven into the tread pattern. While this small piece of rubber appears to be a bridge between the two tire grooves, it is only 2/32" high. When the top of this indicator bar is even with the plane of the tread pattern, replace your tires.

Another way to judge this indicator: Stick a penny, head down, in the tread. Seeing the top of Lincoln's head means that you're down to 2/32" and your tires must be replaced.

For optimum safety, especially in wet conditions, replace your tires when you have 4/32" of tread remaining.

Always choose the original size or the size recommended by your manufacturer when replacing your tires. Replacing tires of different speed ratings, sizes or construction could lead to improper tire performance, tire failure and accident, causing possible serious injury or death.

Changing the size of your tire's height, width, load capacity and/or tread design can change your tire's performance.

If you must use tires of differing profiles, mount the widest tires on the rear of the vehicle.

Don't mix radial and non-radial tires. If you mix radial and non-radial tires, you may have trouble with consistent handling. Handling problems can lead to loss of vehicle control, accidents, injuries and death.

If you must measure the width of your tires, be sure that the tires are mounted on a rim recommended by the Tire and Rim Association (T&RA) at the specified tire pressure.

Depending on a tire's construction, if a tire is mounted on too narrow or too wide a rim, the tire's profile will be changed. The resulting change can unbalance and stress the tire's body and lead to poor performance, tire failure, accidents, injury and/or death.

Never use P-metric automotive tires as replacements for light truck tires or on a vehicle equipped with dual-rear tires. Each tire is manufactured with a specific speed rating and load requirements to ensure proper vehicle use.

Damaged or incorrectly mounted tires can suddenly fail, causing serious injury or death. Tires should only be repaired by professionals.

NEVER OVERLOAD YOUR TIRES: Overloading can cause a range of problems – everything from poor handling and poor mileage to failure of vehicle components or tire failure. Tire failure can cause accidents, leading to serious injuries and death. Check your owner's manual to be sure that you're within safety limits for the load your tires can handle. If you're having tires mounted, be sure to check the load limit of the tires to be mounted. The load index of the replacement tires should always meet or exceed the maximum load of the original tires.

Proper tire inflation is essential! Your vehicle cannot handle its load without the right amount of air pressure – and the results could be disastrous, including accidents, serious injuries and death. Most tire failures are caused by under-inflation. Proper inflation is also essential for your vehicle's performance. Unless your tires are properly inflated, you won't get the best gas mileage from your vehicle. In fact, you could lose as much as 5% of your car's optimum mileage by failing to properly inflate your tires.

Check your tire pressure at least once a month, and always check before long trips. Use a tire gauge, and be sure that your tires are still cold when you check them. If your vehicle still has its original tires, use the optimum pressure specified by the vehicle manufacturer as a guide. If you've replaced your tires, check with your dealer regarding optimum tire pressure.

REMEMBER: Your tires can be under-inflated long before you can see or feel any change. Don't trust your eyes, and don't trust your vehicle's feel; trust a tire gauge.

NEVER SPIN YOUR TIRES: Being stuck in mud or snow can be frustrating – but if you spin your tires, being stuck can be dangerous. Your tire might be spinning much faster than your speedometer indicates, causing injury or death as well as damage to your vehicle. A tire spinning off the ground presents an equal or greater hazard.

NEVER STAND BEHIND OR CLOSE TO A SPINNING TIRE.

Excess speed is a danger to your tires, your vehicle and your safety. Driving above the speed limit can stress your tires, leading to sudden tire failure.

Remember that a mini-spare tire is a temporary fix, and is **NOT** designed to be ridden for long periods of time! NEVER drive over 50 miles per hour when using a mini-spare tire. Have a new tire installed as soon as possible. Check the inflation in your spare tire as well. Spare tires lose air pressure over time. You don't want to discover that your spare tire is under-inflated when you need it most.

You should also periodically replace your spare to prevent damage from aging.

Tire maintenance and information

Avoid irregular tire wear, which can contribute to poor tire performance and tire failure! Failing to rotate your tires at least every 6000-8000

Tire Safety

miles also means that you'll have to replace them much more quickly. Always refer to your owner's manual for the rotation schedule and pattern specific to your vehicle.

Unbalanced tires, which can be caused by hitting curbs, potholes or other road hazards, affect your ride quality and tire life. You can usually detect an unbalanced tire through vibrations in the steering wheel at certain speeds. If you suspect that your tires may be unbalanced, have them inspected by a professional as soon as possible to avoid excessive wear and damage to your vehicle's front end parts.

Improper alignment will affect your car's tire wear, gas mileage, stability and overall performance. Even if you haven't noticed a problem, you should still have your car or truck aligned at least once a year as part of a regular maintenance program. If you think your vehicle might be out of alignment, your vehicle must be inspected by a professional as soon as possible. Have your tires inspected immediately if you notice any warning signs of improper alignment, which include the following:

- Excessive or uneven wear
- Steering wheel pulling to the left or right
- Feeling of looseness or wandering
- Steering wheel vibration or shimmy
- Steering wheel isn't centered when car is moving straight ahead

If you will not be using your tires for a long period, don't leave them on your vehicle. Store unused tires in a cool, dry place away from sunlight and other elements which can accelerate tire aging over time.

If you're using winter or snow tires, have them mounted on all four wheels. Using winter or snow tires only on the front of your vehicle is extremely dangerous and could lead to handling problems, loss of vehicle control, accident, injury and death. Keep tires looking their best by cleaning with a mild soap or detergent and a semi-soft bristle brush. Rinse with clean, plain water.



Tire Assessment Chart

Abnormal Tread Wear

Tread wear issues appear as flat spots, or areas of rapid wear on the tire. They can also be seen as deformed tread blocks or cracking in the tread area. This type of wear is usually a result of brake problems, suspension or alignment problems, an unbalanced tire and wheel assembly, or misuse.



Sidewall Damage

Sidewall damage appears as cuts, tears, bubbles, or scrapes anywhere along the sidewall of the tire. This type of damage usually occurs when a tire encounters a road hazard. This could include anything from a curb to a bolt or piece of metal. Sharp objects or very concentrated stresses usually cause cuts and tears. Bubbles and scrapes occur due to impact damage or prolonged abrasion.



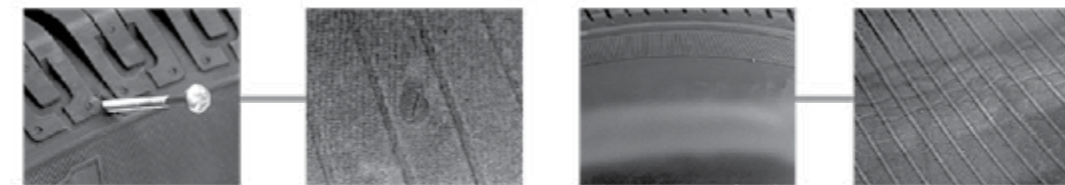
Tire Separations

Separations appear as bulges on the shoulder or tread face, or as localized wear above the separated region. A groove worn along the shoulder could be a sign of separation. Separations are mainly caused by abnormal heat build up. Excessive heat can build up during prolonged high speed driving, overloaded or under-inflated tire conditions. Separations can also be caused by penetration of water or foreign materials into the carcass of the tire. This material enters through cuts caused by road hazards.



Road Hazard

Road Hazard Damage appears as protruding objects or cuts in the tire. Misuse or neglect appears as wrinkles in the inner liner or scuffing that extends around the circumference of the tire. Road hazard damage occurs when a sharp object comes in contact with the tire. Misuse and neglect can occur to severely under-inflated tires or to tires with insufficient clearance between the tire and fenders. It can also occur when dual axle tires are overloaded, or there is not enough clearance between the two tires of the assembly.



Puncture - Normally, the only evidence of a puncture will be a cut that extends from the tread of the tire through the inner liner.

Under-Inflated Tire - An abrasion may run around the circumference of the tire and wrinkles may be observed in the inner liner.

Bead Problems

Bead Problems appear as a broken bead, chafing of the rubber around the bead, or deformation of the bead area. A broken bead can occur when a tire is mounted on an improper rim or carelessly mounted or dismounted. Bead chafing can occur when mounting a tire on a dirty or mismatched rim, or when the tire is in an overloaded or under-inflated condition. A bent or deformed bead usually occurs when the tire is improperly stored, or excessive stress is applied to the bead area during mounting.





**KEEPING AJAX ON
THE ROAD TO VICTORY**





Cheng Shin Rubber (Xiamen) Ind., Ltd

No. 15 Xi Bin Road, Xing Lin Industrial District, Xiamen China 361022

T. + 86 592 6211606/6211346

F. + 86 592 6214649/6210420

cstfires.com

Cheng Shin Rubber (USA) Inc.

545 Old Peachtree Road Suwanee, GA 30024, USA

T. 1-800-245-4118

F. 1-770-962-7705

cstfires.com

Cheng Shin Holland BV (Europe)

Noorddammerweg 1c, 1424 NV De Kwakel, The Netherlands

T. +31 20 - 640 26 20

F. +31 20 - 341 14 13

info@cst.nl

cstfires.eu

MAXXIS International GMBH

Kaddenbusch 31, D-25578 Da Geling, Germany

T. 49-4821-89060

F. 49-4821-890670

MAXXIS International - UK plc

Carr Rd, Felixstow, Suffolk, IP11 3RX, UK

T. 44-1394-604040

F. 44-1394-604041

