



SEPTEMBER 2019 PRODUCT MANUAL



COOPERTIRES®



U.S. EDITION



CANADA EDITION

COUNT ON COOPER®
A TRUSTED COMPANY SINCE 1914

coopertire.com
coopertire.ca

REASONS you should choose COOPER TIRES

At Cooper® we understand that the four tires on your vehicle are what keep you connected to the road, playing a crucial role in how your vehicle handles, and keeping you safe on your travels. As a trusted company since 1914, our focus is on making quality tires that will perform well and last for thousands of miles. With more than a century in the tire industry, we know that tires matter, and that is why you should count on Cooper®.



A TRUSTED COMPANY SINCE 1914

— The beginnings of Cooper date back to 1914 in Akron, Ohio, when two brothers-in-law John F. Schaefer and Claude E. Hart formed a company to produce tire patches, tire cement, and tire repair kits. In 1915, Schaefer and Hart purchased The Giant Tire & Rubber Company of Akron, a tire rebuilding business, and shortly thereafter moved the business to Findlay, Ohio.

In 1926, Ira. J. Cooper developed the “Cooper Creed” which focused the company on providing **“good merchandise, fair play, and a square deal.”** The vision of Ira J. Cooper continues at Cooper today.



Corporate Headquarters, Findlay, OH



Global and North America Technical Centers, Findlay, OH

U.S. Technical Facilities

Tire & Vehicle Test Center, Pearsall, TX

Global and North America Technical Centers, Findlay, OH

Tall Timbers Mold Facility, Findlay, OH

U.S. Manufacturing Facilities

Texarkana, AR • Clarksdale, MS • Tupelo, MS • Findlay, OH

U.S. Distribution Centers

Texarkana, AR • Rancho Cucamonga, CA • San Bernardino, CA

Albany, GA • Franklin, IN • Byhalia, MS • Tupelo, MS

Findlay, OH • Alburts, PA • Grand Prairie, TX • Sumner, WA



DEDICATED TO TECHNOLOGY AND INNOVATION

— Established in 2014 in Findlay, Ohio, Cooper’s Global Technical Center is a worldwide center of excellence for tire science and technology that is deployed around the globe. Along with the continuous improvement of our tires, Cooper performs rigorous testing at our facility near San Antonio, Texas.



Cooper’s innovative research includes the study of guayule, a shrub grown in the Southwestern U.S., as a replacement for hevea natural rubber in tires. In 2017, Cooper and a consortium team completed a five-year grant to study the plant. From this effort, Cooper produced and road tested concept car tires in which all the natural and synthetic rubber is replaced with guayule. The team’s work proved for the first time in history that guayule is a viable source of domestically-produced natural rubber for the tire industry.



MADE TO LAST

— At Cooper, we believe that manufacturing a quality product is key to ensuring your peace of mind. All Cooper® tires are backed by a standard or premium limited warranty, a 45-day Test Drive warranty, and select products are backed by a mileage warranty, helping to give you peace of mind on the road.



COMMITTED TO SAFETY

Safety is our top priority.

Visit coopertire.com

(coopertire.ca) and click on Safety for information on tire replacement, driving tips and proper tire maintenance.

To help keep young drivers safe, Cooper® has adopted a signature philanthropy cause called "Tread Wisely." Through this program, teens and young drivers, ages 15 to 25, gain critical driver and tire safety information. At the center of this effort is an irascible tire character who delivers important safety information with a dose of humor and a positive, proactive approach. Under this program, more than 250 Cooper employees have signed on to participate in educating teens directly through tire safety demonstrations in schools and special events. In addition, Tread Wisely is backed by a strong social media effort and a mobile app.

More information is available at www.TreadWisely.org



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SPONSORSHIPS



Since 2006, Cooper® has partnered with the **Professional Bull Riders, Inc. (PBR)** as its Official Tire. Cooper sponsors a team of professional bull riders as well as **Flint Rasmussen**, a legendary in-arena personality and official entertainer of the PBR. Rasmussen captivates fans young and old each performance with his quick wit, comical stunts and dance moves.





CANADIAN SPONSORSHIPS



Cooper® is partnered with the Canadian Hockey League (CHL) as the “Official Tire of the Canadian Hockey League,” featuring a strong presence at each of the CHL national events as a partner of the CIBC Canada Russia Series, Sherwin-Williams CHL/NHL Top Prospects Game and the Memorial Cup presented by Kia.

ROAD TO INDY SERIES



Cooper is the presenting sponsor and **exclusive tire supplier of the Cooper Tires USF2000 Championship**. The USF2000 serves as an entry-level, open-wheel training ground for the next generation of professional racers looking for the first step on the ladder to an IndyCar career.



The Indy Pro 2000 Championship Presented by Cooper Tires debuted in 2013 as a new series in the Road to Indy. It is the second official step on the Road to Indy ladder system. **Cooper is the official tire supplier of the Indy Pro 2000.**



The third and final step on the Road to Indy is **Indy Lights Presented by Cooper Tires**. Cooper is the official tire supplier of the Indy Lights Series.



TIRES MATTER

At Cooper®, we talk tires every day – tread compound, sidewall design, carcass construction, performance metrics, fitments – the list of jargon could fill a library. Tires play a crucial role in your safety on the road and the performance of your vehicle. With more than a century of experience in designing and manufacturing tires, the experts at Cooper want to drive home the importance of tires through facts every driver should know. The following are a few of the many tire maintenance and safety facts that Cooper uses to help drivers realize that “Tires Matter.”

1. Your tires are what connect you to the road.

The four tires on your vehicle are the only parts to come in contact with and keep you connected to the road. For safety and good performance, you must properly care for, maintain and inspect your tires.

2. “All season” tires are not winter tires.

“All season” tires are a great choice for the majority of drivers, as they are designed specifically to perform well in year-round moderate weather. If you live in an area with severe winter weather conditions, it is highly recommended that you install winter tires during the winter months, typically from November through March. Winter tires are specifically designed and formulated to improve braking and handling on snow and ice. It is highly recommended that winter tires be placed in all 4 positions for optimal winter performance. However, if you choose to only install 2 winter tires, they must be placed on the rear axle positions.



Winter tires can be identified by the 3-Peak Mountain and Snowflake symbol that is located on the tire's sidewall.

3. The valve stem assembly is important for maintaining proper inflation pressure.

Those little caps on the valve stem of your tires are designed to keep moisture and dirt out, as well as to provide an additional seal to the valve core to hold air in the tires. Always make sure valve caps are on every tire! Also, when you have a tire replaced, have a new valve stem assembly installed at the same time.

4. The correct inflation pressure for your tire is not found on its sidewall.

The inflation pressure indicated on a tire sidewall is the maximum pressure allowed for the tire. It is not intended as a guide for normal inflation pressure. The proper inflation pressure continues to be what is clearly stated in your vehicle's owner's manual and/or on the vehicle placard found on the driver's side doorjamb, glove box or fuel door.

5. Visually assessing proper inflation pressure is impossible.

Even though your tires may look properly inflated, they may be under inflated by as much as 50 percent.¹ It is important to have the proper inflation pressure in your tires, as under inflation can lead to tire failure, irregular tread wear, and increased vehicle fuel consumption.

6. Proper inflation pressure can save money at the pump.

A tire that is under inflated by 8 PSI (56 kPa) or more can reduce the life of the tire by 9,000 miles (14,000 km), and can increase the vehicle's fuel consumption by 4%.² Be sure to routinely check your tire's inflation pressure to reduce your gasoline consumption and overall expenses on the road.

7. Outside temperature can affect your tire's inflation pressure.

Because tires are filled with air, the outside temperature can affect your tire's inflation pressure more than you might expect. On average, experts say that tire inflation pressure decreases by about one pound per square inch for every 10° F (about -12° C) drop in the temperature.² The changing seasons are a good reminder to check inflation pressure.



8. Tread depth can be checked with a U.S. penny.

Proper tread depth helps tires maintain traction and improves handling. Proper tread depth can also help prevent hydroplaning. Additionally, bald tires are more likely to be damaged by potholes and other road hazards. The tread on your tires should be more than 2/32 of an inch (1.6mm) deep and can be checked by inserting a U.S. penny into the tread, with Lincoln's head facing down. If the top of Lincoln's head is covered by tread, there is at least a minimum acceptable amount of tread. If the top of his head is visible at any point, it is time to replace the tire.



9. While not recommended, if only purchasing two tires, install them on the back axle.

When replacing tires on a vehicle, it is recommended and preferred that all four tires be replaced at the same time. However if you can only purchase two new tires at a time, the new pair should always be installed on the rear axle for both front and rear-wheel drive vehicles. By placing the new tires on the rear axle, the deeper tire tread will help drivers maintain control on wet roads, which can help to prevent the vehicle from a potentially hazardous over-steer handling condition especially during sudden maneuvers. Many drivers assume that new tires should go on the front, especially if they have a front-wheel drive vehicle, however, this is not correct.

10. Tires should be checked at least once a month and before a long road trip for routine maintenance and safety.

Checking your tires for proper maintenance and safety is a simple, do-it-yourself routine that will get you road ready. As the only part of your vehicle connecting it to the road, checking them monthly and before road trips is recommended.

11. Worn out tires are dangerous.

Tires contain "wear bars" in the grooves of the tire tread which show up when only 2/32nds of an inch (1.6 mm) tread is remaining. At this stage, your tires must be replaced immediately. Tires worn beyond this stage are dangerous.

12. Never purchase or install used tires on your vehicle.

Cooper Tire recommends that you never purchase or install used tires. Not all tire damage that can lead to tire failure is outwardly visible. Such damage can eventually lead to tire failure. Just remember, the previous driver removed those tires from their vehicle for a reason. Do you really want to put your own and your family's safety at risk without knowing why the tire was removed from service? Used tires, especially tires with an unknown history, should be considered dangerous!

EASY STEPS TO FOLLOW

CHECK THE PRESSURE

- Be sure to check inflation pressure when tires are cool (minimum three hours after driving).
- Find the manufacturer's recommended inflation pressure located on the vehicle doorjamb, glove box, fuel door or the owner's manual.
Note: the tire inflation pressure listed on the tire sidewall is the maximum pressure for the tire, not the recommended pressure for your vehicle.
- Remove the valve cap, take the tire gauge, and press firmly on valve stem.
- If the reading is lower than the recommended level, add air and check again.
- Over inflated? Push on the metal valve core in the center of the valve with the nub on the back of the tire gauge to release air, and check again.
- Once recommended inflation pressure is reached, replace valve cap.

**TAKES
10
MINUTES!**

CHECK THE TREAD

- Insert the edge of a U.S. penny in the tire tread, with Lincoln's head down and facing you.
- If the top of Lincoln's head is covered by tread, there is at least a minimum acceptable amount of tread.
- If the top of his head is visible at any point around the tire, it is time to replace the tire.

CHECK THE OVERALL CONDITION

- Visually check for cuts, cracks, splits, punctures, irregular wear and bulges.
- If any of these conditions are spotted, or if you are doubtful about the condition of your tires, visit a dealer for a professional inspection.

SOURCES

- ¹ Cooper Tire: <http://us.coopertire.com/where-to-start/tire-maintenance.aspx>
- ² Cooper Tire: <http://us.coopertire.com/safety/safety-tips/proper-tire-inflation.aspx>

RESOURCES

- National Highway Traffic Safety Administration: <https://www.safercar.gov/>
- National Highway Traffic Safety Administration: <https://www.safercar.gov/>

CAR

Designed for cars, mini-vans, some pickup trucks and SUV/CUV vehicles.

PERFORMANCE



Cooper Zeon Cooper Zeon
RS3-G1™ RS3-S™

TOURING



CS5 Ultra CS5 Grand Evolution Lifeliner Trendsetter
Touring™ Touring™ Tour™ GLS™ SE™

CLASSIC



Cobra Radial
G/T™



COOPERTIRES®



Up to 45,000 mile/72,000 km

WARRANTY

All-Season Premium Performance

The **Cooper Zeon RS3-G1™** is our best, most advanced, all-season high performance tire designed for owners of performance vehicles that drive year round.

- Exceptional grip and handling
- Enhanced stability and durability
- Light snow capabilities

TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

45,000 mile / 72,000 km Y / W-Rated

See warranty page for specific Cooper Zeon product warranty details.

COOPER ZEON RS3-G1™



Cooper Zeon RS3-G1™

A Consumers Digest
“Best Buy”

3D MICRO-GAUGE™ SIPPING

Full depth and variable sipe density helps maintain wet traction and stability.



WEAR SQUARE® INDICATOR

Visual wear indicator allows you to quickly see the approximate tread life remaining on your tires.



ALL-SEASON TIRE



COOPERTIRES®

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Up to 20,000 mile / 32,000 km

WARRANTY

Summer Performance

The **Cooper Zeon RS3-S™** is a high performance summer tire for performance vehicle owners.

- World-class dry road traction and handling
- Stable cornering abilities
- Additional inboard tread grooves for wet weather

TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

20,000 mile / 32,000 km Y / W-Rated

See warranty page for specific Cooper Zeon product warranty details.

COOPER ZEON RS3-S™



LARGE INTERMEDIATE TREAD ELEMENTS

For stable cornering and reduced noise.

FOUR WIDE CIRCUMFERENTIAL GROOVES

For hydroplane resistance.

LARGE SHOULDER TREAD ELEMENTS

For ultimate dry traction, increased handling and exceptional cornering ability.

VARIABLE DRAFT GROOVE WALLS

Help provide even treadwear.



COOPERTIRES®



SUMMER TIRE

Up to 70,000 mile / 115,000 km

WARRANTY

All-Season Premium Luxury Touring

The **CS5 Ultra Touring™** is specifically designed for comfort, agile handling and an ultra-quiet ride.

- Quiet and smooth ride
- Superior handling, cornering and stability
- Exceptional traction for all weather conditions

CS5 ULTRA TOURING™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

50,000 mile / 80,000 km W-Rated

70,000 mile / 115,000 km V / H-Rated

3D MICRO-GAUGE™ SIPPING

Full depth and variable sipe density helps maintain wet traction and stability.

MODERN TREAD COMPOUND

Modern touring tread compound and tread profile provide even wear and a long tread life.

STABILEDGE™ PERFORMANCE

Enhances handling and dry traction stability.

WEAR SQUARE® INDICATOR

Visual wear indicator allows you to quickly see the approximate tread life remaining on your tires.



ALL-SEASON TIRE



COOPERTIRES®

80,000 mile / 113,000 km

WARRANTY

All-Season Premium Luxury Touring

The **CS5 Grand Touring™** is designed for a long-lasting comfortable ride in a wide range of sizes for cars, SUVs and CUVs.

- Quiet tread design
- Superior handling, cornering and stability
- Exceptional traction for all weather conditions

CS5 GRAND TOURING™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

80,000 mile / 113,000 km T-Rated

FOUR WIDE CIRCUMFERENTIAL GROOVES

For hydroplane resistance.

WEAR SQUARE® INDICATOR

Visual wear indicator allows you to quickly see the approximate tread life remaining on your tires.

RIB AND GROOVES

Coupled tread elements provide tread block stability for precise handling.

3D MICRO-GAUGE™ SIPPING

Full depth and variable sipe density helps maintain wet traction and stability.



ALL-SEASON TIRE



COOPERTIRES®

Up to 65,000 mile / 105,000 km

WARRANTY

All-Season Touring

The **Evolution Tour™** is an all-season tire that allows you to tackle road conditions with confidence and gives you the smooth and comfortable ride you depend on.

- Fuel efficient design
- Quiet ride
- Designed for a long tread life

EVOLUTION TOUR™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

60,000 mile / 96,000 km V / H-Rated

65,000 mile / 105,000 km T-Rated



TREAD PROFILE

Modern touring tread compound and tread profile provide even wear and a long tread life.



STABILEDGE™ PERFORMANCE

Enhances handling and dry traction stability.



RIBS AND GROOVES

Coupled tread elements provide tread block stability for precise handling.



3D MICRO-GAUGE™ SIPPING

Full depth and variable sipe density helps maintain wet traction and stability.



ALL-SEASON TIRE



COOPERTIRES®

65,000 mile / 105,000 km

WARRANTY

LIFELINER GLS™

All-Season Touring

The Lifeliner GLS™ is an all-season tire for drivers looking for touring performance in a moderately-priced tire.

- All-weather traction
- Quiet riding design
- Even treadwear design



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

65,000 mile / 105,000 km T-Rated

FOUR CIRCUMFERENTIAL GROOVES

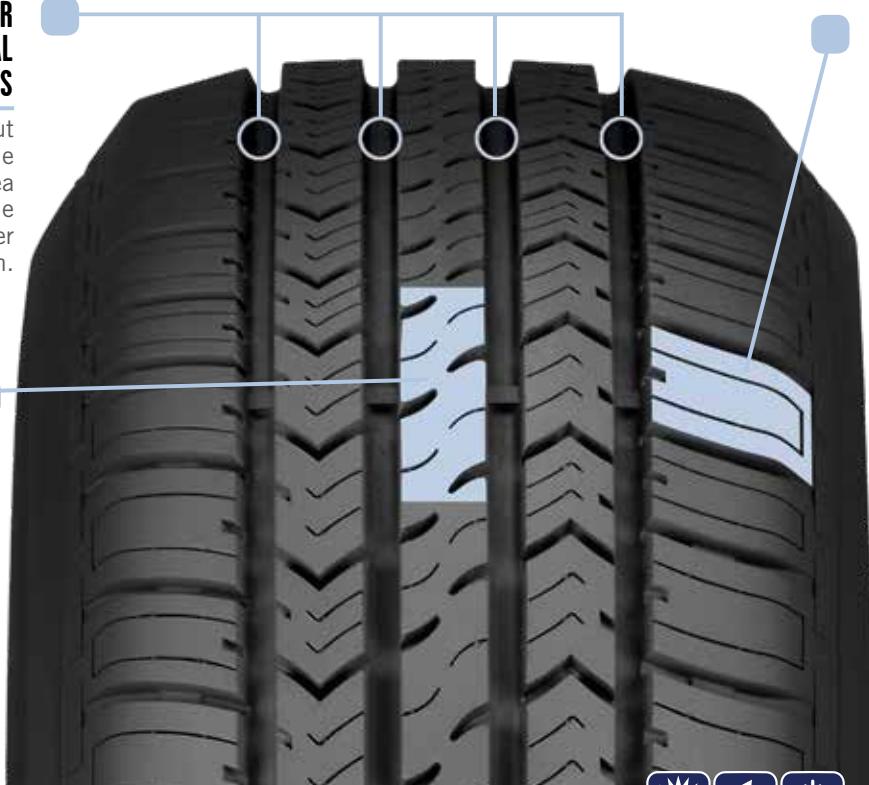
Propel water out and away from the tread contact area and help provide superior all-weather traction.

NOTCHED CENTER RIB

Helps provide even treadwear.

SHOULDER SLOTTING

Designed for resistance to irregular wear while providing solid, all-season performance.



ALL-SEASON TIRE



COOPERTIRES®

LIFELINER GLS™



COOPERTIRES®

Wheel Diam.	Material #	Item #	Sidewall Style	Tire Size, Load Range & Service Description	Approved Rim Widths	Max PSI	Max. Load	Overall Diam.	Sect. Width	Rev. Per Mile	Tread Depth (32nds)	Ship Wt.	Ship Wt.	UPC
13"	90000003180	01611	BLK	175/70R13 82T	(5.0) 4.5-6.0	44	1047	22.68	6.9	914	10.0	15	6.8	029142640530
14"	90000003183	01612	BLK	175/70R14 84T	(5.0) 4.5-6.0	44	1102	23.66	6.9	876	10.0	17	7.7	029142640547

This line will be discontinued and no longer offered as of January 2020.

UNIFORM TIRE QUALITY GRADE

TREADWEAR TRACTION TEMP.

540 A B

Fitments: Accord, Impala, Civic, Protégé, Cavalier

CAR

SUV/PICKUP TRUCK

WINTER

40,000 mile / 64,000 km

WARRANTY

All-Season Value

The **Trendsetter SE™** is an all-season tire designed for a wide range of older to later model vehicles.

- Durable
- All-season design
- White sidewall design

TRENDSETTER SE™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

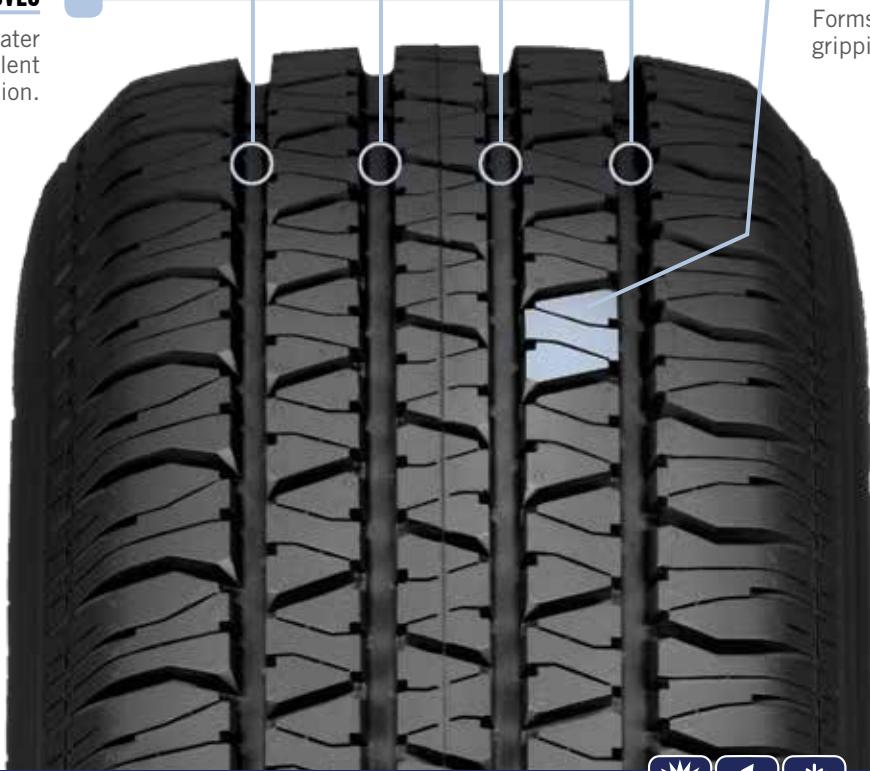
40,000 mile / 64,000 km S-Rated

"SEE THROUGH" GROOVES

Helps disperse water and slush for excellent all-season traction.

SQUARED-OFF "BLOCK" TREAD

Forms an effective gripping edge.



ALL-SEASON TIRE



COOPERTIRES®

TRENDSETTER SE™



Wheel Diam.	Material #	Item #	Sidewall Style	Tire Size, Load Range & Service Description	Approved Rim Widths	Max PSI	Max. Load	Overall Diam.	Sect. Width	Rev. Per Mile	Tread Depth (32nds)	Ship Wt. (lbs.)	Ship Wt. (kg.)	UPC
15"	> 90000003271	02905	.75" WH	P205/70R15 95S	(6.0) 5.0-7.0	35	1499	26.30	8.1	788	10.0	20	9.2	029142337386
	90000003273	02906	.75" WH	P215/70R15 97S	(6.5) 5.5-7.0	35	1620	26.77	8.6	774	10.0	22	10.0	029142337393
	90000008029	01310	.75" WH	P205/75R15 97S	(5.5) 5.0-7.0	35	1598	26.97	8.0	769	10.5	20	9.1	029142337492
	90000008030	01311	.75" WH	P215/75R15 100S	(6.0) 5.5-7.0	35	1742	27.56	8.4	752	10.5	22	10.0	029142337508
	90000008033	01313	.75" WH	P235/75R15 105S	(6.5) 6.0-8.0	35	2028	28.66	9.1	723	11.0	26	11.9	029142337522

> This size will be discontinued and no longer offered as of January 2020.

UNIFORM TIRE QUALITY GRADE

TREADWEAR TRACTION TEMP.

440 A B

Fitments: Older model cars, SUVs, CUVs, smaller pickups

CAR

SUV/PICKUP TRUCK

WINTER

50,000 mile / 80,000 km

WARRANTY

All-Season Classic

The **Cobra Radial G/T™** all-season tire features raised white letters for those who want to retain the characteristic “look” of their classic muscle car.

- Raised white lettering style
- Even-wearing design
- All-season performance

COBRA RADIAL G/T™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

50,000 mile / 80,000 km T / S-Rated

REFINED TREAD ELEMENT SHAPE

Helps disperse water and slush for excellent all-season traction.

NOTCHED CENTER RIB

Combined with the tread element shape, this helps provide even treadwear.

SHOULDER SLOTTING

Designed for resistance to irregular wear while providing solid, all-season performance.



ALL-SEASON TIRE



COOPERTIRES®

SUV / PICKUP TRUCK

Tires for on-road traction and grip, light off-roading, or for the avid off-road enthusiast for pickup trucks, SUV and CUV vehicles.

HIGHWAY



Discoverer SRX™ Discoverer SRX^{LE}™ Evolution^{H/T}™ Discoverer H/T Plus™ Discoverer HT3™

ALL-TERRAIN



Discoverer AT3^{4S}™ Discoverer AT3^{LT}™ Discoverer AT3^{XLT}™ Cooper Zeon LTZ™

OFF-ROAD



Discoverer STT Pro™ Discoverer S/T^{MAXX}™ Evolution M/T™



COOPERTIRES®



Up to 75,000 mile / 120,000 km

WARRANTY

All-Season Premium Luxury Touring

The **Discoverer SRX™** is designed to provide a long tread life and maximize ride comfort for a wide range of trucks, SUVs, CUVs.

- Maximum ride comfort
- Quiet ride
- Reliable all-season traction and performance

DISCOVERER SRX™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

65,000 mile / 105,000 km V-Rated

70,000 mile / 115,000 km H-Rated

75,000 mile / 120,000 km T / S-Rated

STABILEDGE™ PERFORMANCE

Enhances handling and dry traction stability.



SILICA COMPOUND

Improves performance and lowers rolling resistance for better fuel mileage.

3D MICRO-GAUGE™ SIPING

Full depth and variable sipe density helps maintain wet traction and stability.



WEAR SQUARE® INDICATOR

Visual wear indicator allows you to quickly see the approximate tread life remaining on your tires.



ALL-SEASON TIRE



COOPERTIRES®

Standard Limited
WARRANTY

DISCOVERER SRX^{LE}™

All-Season Premium Luxury Touring

The **Discoverer SRX^{LE}™** features advanced performance construction to deliver maximum steering response, stability in handling maneuvers and a smooth, comfortable ride.

- Maximum steering response
- Stability in handling maneuvers
- Smooth comfortable ride

FREE 45-DAY TEST DRIVE



ALL-SEASON TIRE



COOPERTIRES®

DISCOVERER SRX^{LE}[™]



Wheel Diam.	Material #	Sidewall Style	Tire Size, Load Range & Service Description	Approved Rim Widths	Max PSI	Max. Load	Overall Diam.	Sect. Width	Rev. Per Mile	Tread Depth (32 nd s)	Ship Wt. (lbs.)	Ship Wt. (kg.)	UPC
19"	90000032646	BLK	255/50R19XL 107H	(8.0) 7.0-9.0	50	2149	29.09	10.5	713	10.5	33	14.9	029142908272
	* 90000032648	BLK	275/55R19 111V	(8.5) 7.5-9.5	51	2403	31.02	11.3	668	10.5	37	16.9	029142908296
20"	90000032647	BLK	275/50R20 109H	(8.5) 7.5-9.5	51	2271	30.98	11.4	669	10.5	38	17.3	029142908289

New product was made available April 2019.

* This size has passed the industry standard to accelerate in snow so is stamped with the severe weather rating symbol.



UNIFORM TIRE QUALITY GRADE

TREADWEAR TRACTION TEMP.

600 A A

Fitments: Original Equipment on the New Mercedes-Benz GLE

CAR

SUV/PICKUP TRUCK

WINTER

60,000 mile / 96,000 km

WARRANTY

All-Season Highway

The **Evolution H/T™** is a mid-range highway tire for crossover vehicles, sport utility vehicles and pickup trucks.

- All-season performance
- Superior handling
- Comfortable ride

EVOLUTION H/T™



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

60,000 mile / 96,000 km

STABILEDGE™ PERFORMANCE

Enhances
handling and
dry traction
stability.

HYDROPLANE RESISTANCE

Wide water
channels
allow water to
be evacuated
away from the
tread area.

3D MICRO-GAUGE™ SIPING

Full depth and variable
sipe density helps
maintain wet traction
and stability.



ALL-SEASON TIRE



COOPERTIRES®

Standard Limited
WARRANTY

DISCOVERER H/T PLUS™

All-Season Highway Sport Truck

The **Discoverer H/T Plus™** is a highway tire for drivers of SUV's and pickup trucks looking for a "sporty" look.

- All-season performance and handling
- Tread designed to evacuate water
- Additional rubber in sidewalls to help protect rims



FREE 45-DAY TEST DRIVE

CIRCUMFERENTIAL GROOVES

For continuous and efficient slush and water evacuation.

LATERAL SIPING AND GROOVES

Effectively conducts water away from the contact area while combating irregular wear.

ALTERNATING TREAD BLOCK GEOMETRY

Provides stability for confident handling and reduces irregular wear for longer tread life and a quieter ride.



ALL-SEASON TIRE



COOPERTIRES®

DISCOVERER H/T PLUS™



COOPERTIRES®

Wheel Diam.	Material #	Item #	Sidewall Style	Tire Size, Load Range & Service Description	Approved Rim Widths	Max PSI	Max. Load	Overall Diam.	Sect. Width	Rev. Per Mile	Tread Depth (32 nd s)	Ship Wt. (lbs.)	Ship Wt. (kg.)	UPC
18"	90000002928	19934	BLK	255/55R18XL 109T	(8.0) 7.0-9.0	50	2271	28.98	10.4	716	12.0	36	16.3	029142646778
	90000002929	19931	BLK	265/60R18XL 114T	(8.0) 7.5-9.5	50	2601	30.39	10.9	682	12.0	38	17.2	029142646747
	90000002930	19930	BLK	285/60R18 116T	(8.5) 8.0-10.0	44	2756	31.34	11.7	662	12.0	43	19.4	029142646730
20"	90000002931	19939	BLK	275/45R20XL 110T	(9.0) 8.5-10.0	50	2337	29.76	10.7	697	12.0	38	17.2	029142646822
	90000002932	19937	BLK	285/50R20XL 116T	(9.0) 8.0-10.0	50	2756	31.14	11.9	666	12.0	42	19.3	029142646808
	90000002933	19936	BLK	305/50R20XL 120T	(9.5) 8.5-11.0	50	3086	32.05	12.4	647	12.0	47	21.3	029142646792
	90000002934	19935	BLK	275/55R20XL 117T	(8.5) 7.5-9.5	50	2833	31.89	11.1	650	12.0	42	19.2	029142646785
	90000002935	19932	BLK	275/60R20XL 119T	(8.0) 7.5-9.5	50	2998	32.95	11.0	629	12.0	44	19.8	029142646754

UNIFORM TIRE QUALITY GRADE

TREADWEAR TRACTION TEMP.

460 A B

Fitments: Dakota, half-ton pickups, Harley Ford, Plus Fitments

CAR

SUV/PICKUP TRUCK

WINTER

50,000 mile / 80,000 km

WARRANTY

DISCOVERER HT3™

All-Season Commercial Highway

The **Discoverer HT3™** is designed for drivers of commercial pickup trucks and vans, optimized for highway driving.

- Engineered to resist abnormal wear
- Improved handling, performance and traction
- Quiet running tread design



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

50,000 mile / 80,000 km

FOUR WIDE CIRCUMFERENTIAL GROOVES

Combined with a silica compound, provides better wet traction and handling.

CONTINUOUS SHOULDER RIBS

Provides superior resistance to irregular wear for longer life and a quieter ride.

3D MICRO-GAUGE™ SIPPING

Full depth and variable sipe density helps maintain wet traction and stability.



ALL-SEASON TIRE



65,000 mile / 105,000 km

WARRANTY

All-Terrain, All-Season / Severe Weather

The **Discoverer AT3^{4S}** with Adaptive-Traction Technology™ grips the surface, rocky or smooth, under the most severe weather, rain or shine.

- On-road comfort with off-road durability
- Maximum grip and handling on wet roads
- Stops on average over 20 feet (6 meters) shorter on snow*



TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

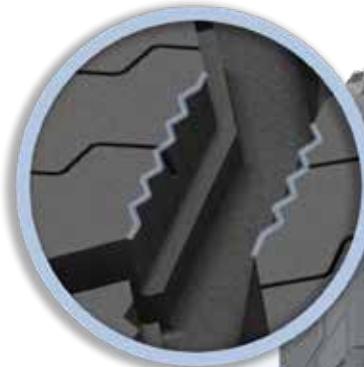
65,000 mile / 105,000 km



BEST-IN-CLASS
WARRANTY
65,000 miles**
105,000 km**

SNOW GROOVE TECHNOLOGY

Patented saw-tooth technology traps snow in the tread to provide superior snow-on-snow traction.



AQUA VAC™ CHANNELS

Uniquely shaped, deep center grooves improve the tire's resistance to hydroplaning.



SECURE-GRIP™ ALL-TERRAIN DESIGN

Specially designed 5-rib all-terrain pattern provides greater off-road driving capability and improved wet/dry traction.

MICRO-GAUGE™ ZIGZAG SIPES

Smaller gauge sipes in all tread blocks provide increased vehicle stability and control, while reducing stone retention and drilling. Zigzags create more biting edges for optimal wet/dry traction.



ALL-SEASON TIRE

*Stopping distance as compared to leading all-terrain tires, based on performance against top competitors from a leading consumer publication. Individual on-road results may vary.

**Based on the warranty length of all-terrain tires from a leading consumer publication. Warranty terms and conditions apply.

**60,000 mile / 96,000 km
WARRANTY**

DISCOVERER AT3LT™ AND AT3XLT™

All-Season, All-Terrain

The **Discoverer AT3LT™** and **Discoverer AT3XLT™** with Durable-Tread Technology™ haul heavy loads with less wear and are built to withstand the ongoing assault from dirt and gravel.

- Designed to prevent cutting and chipping on rocky and gravel terrain
- Extreme durability for hauling
- Stops on average at least 10 feet (3 meters) shorter on wet roads*

TREADWEAR WARRANTY

FREE 45-DAY TEST DRIVE

60,000 mile / 96,000 km



SELECT SIZES ONLY

BEST-IN-CLASS
60,000 miles**
96,000 km**



RUGGED TRACTION SHOULDERS

Exclusive to the **Discoverer AT3XLT™**, rugged traction shoulders provide increased off-road traction for boulder crawling and mud handling as well as additional resistance to abrasion and punctures.

EVEN WEAR ARC TECHNOLOGY™

Tire shape engineered to strategically balance pressure at the tire-to-road contact area promoting even on-road treadwear and superior handling.



WHISPER GROOVES™

The Whisper Groove™ provides a sound barrier that reduces road noise.



STONE EJECTOR LEDGES

Ledges that easily eject stones and gravel, helping to prevent tire damage from stones. Also, helps maintain a clean tread for enhanced road traction.



ALL-SEASON TIRE

*Wet stopping distance based on the results for the Discoverer AT3XLT™ LT275/70R18 in comparative wet braking testing against four select competitor tires, April 2018. Individual on-road results may vary.

**Based on the warranty length of LT-denoted all-terrain tires from a leading consumer publication. Warranty terms and conditions apply.

Premium Limited WARRANTY

COOPER ZEON LTZ™

All-Season All-Terrain Sport Truck

The **Cooper Zeon LTZ™** is an all-season tire designed for SUV's and pickup trucks wanting the sport tire "look" while still having light off-road traction.

- Dependable traction in all weather conditions
- Improved soft-surface traction
- Additional rubber in sidewalls to help protect rims



FREE 45-DAY TEST DRIVE



ALL-SEASON TIRE

COOPER ZEON LTZ™



Wheel Diam.	Material #	Item #	Sidewall Style	Tire Size, Load Range & Service Description	Approved Rim Widths	Max PSI	Max. Load	Overall Diam.	Sect. Width	Rev. Per Mile	Tread Depth (32 nd s)	Ship Wt. (lbs.)	Ship Wt. (kg.)	UPC
18"	90000003468	01401	BLK	285/60R18XL 120S	(8.5) 8.0-10.0	50	3086	31.50	11.4	658	14.0	46	21.0	029142652137
19"	90000003469	01410	BLK	255/55R19XL 111H	(8.0) 7.0-9.0	50	2403	30.12	10.4	688	12.0	38	17.2	029142729716
20"	90000003470	01411	BLK	275/45R20XL 110S	(9.0) 8.5-10.5	50	2337	29.80	10.9	696	14.0	41	18.6	029142652182
	90000003471	01409	BLK	285/50R20XL 116S	(9.0) 8.0-10.0	50	2756	31.30	11.6	662	14.0	46	20.8	029142652168
	90000003472	01407	BLK	305/50R20XL 120S	(9.5) 8.5-11.0	50	3086	32.17	12.1	645	14.0	51	23.0	029142652175
	90000003473	01405	BLK	275/55R20XL 117S	(8.5) 7.5-9.5	50	2833	31.93	11.2	649	14.0	45	20.3	029142652151
	90000003474	01403	BLK	275/60R20XL 119S	(8.0) 7.5-9.5	50	2998	33.03	11.1	628	14.0	47	21.2	029142652144

UNIFORM TIRE QUALITY GRADE

TREADWEAR TRACTION TEMP.

520 A B

Fitments: Armada, Titan, Escalade, Avalanche, half-ton pickups

CAR

SUV/PICKUP TRUCK

WINTER

Standard Limited **WARRANTY**

Extreme Off-Road Traction

The **Discoverer STT Pro™** tire delivers best-in-class off-road performance, empowering the extreme off-roader to take on the toughest challenges.

- Patented Armor Tek3® tire technology adds strength to the tire sidewall, providing increased resistance to damage while driving over boulders and uneven, tough terrain
- Rubber formulated to combat shredding and damage from stones and off-road obstacles.

FREE 45-DAY TEST DRIVE



MUD SLINGERS™ 2.0

Deep, wide trenches with additional notches throughout the tread combine to give you more grip to power through and help continuously clear thick mud from the tire.

EARTH DIGGERS™

Tackle tricky terrain with large blocks with alternating mud scoops that forcefully dig into loose dirt, sand or sticky mud.

ROCK CLIMBER SIDEWALL™

Get max traction to help conquer even the toughest obstacles with deep "Climber Cleats" and Flex Grooves built into the side of the tire that grip jagged rocks and power through thick mud.

STONE ARMOR TECHNOLOGY™

Provides the ultimate durability with channels, ridges, and edges designed to help defend against sharp rocks and debris while expelling lodged stones.



ALL-SEASON TIRE



COOPERTIRES®

Standard Limited WARRANTY

All-Season Commercial Traction

The **Discoverer S/T MAXX™** is designed for tough terrain, including rocks and gravel, with on-road stability and performance.

- Tread design helps to prevent stone retention
- Armor Tek³® construction for added tire durability
- Cut and chip resistant tread compound/composition

FREE 45-DAY TEST DRIVE



HYBRID 4-5 RIB DESIGN

Provides low tread pattern noise and even wear.

DUAL-DRAFT AND NON-PARALLEL GROOVE WALLS

Helps reduce stone retention and resist cutting and chipping.

STONE EJECTOR RIBS

Helps discharge debris and resist stone retention.



ALL-SEASON TIRE



COOPERTIRES®

Standard Limited **WARRANTY**

EVOLUTION M/T™

Mud Traction

The **Evolution M/T™** tire gives you the confidence to power through mud and tackle dirt roads.

- Bold tread pattern designed to tackle mud with enhanced traction
- Built to withstand damage from gravel and debris
- Studdable for extra traction in harsh Winter weather

FREE 45-DAY TEST DRIVE



EARTH DIGGERS™

Tackle tricky terrain with large blocks with alternating mud scoops that forcefully dig into loose dirt, sand or sticky mud.

MUD SLINGERS™

Get extra grip from the deep, wide trenches that continuously clear thick mud from the tire.

STONE BARRIERS

Boost durability with Stone Barriers featuring ridges designed to help protect against damage from sharp rocks and expel lodged stones.

TRAIL GRIP SIDEWALL™

Power over trail obstacles with "climbers" that grab onto rocks and sticks, providing strong resistance to rubbing.



ALL-SEASON TIRE



COOPERTIRES®

WINTER

Winter tires are specifically designed and formulated to improve braking and handling on snow and ice.

CAR & SUV



Evolution
Winter™

CAR, SUV,
PICKUP TRUCK



Discoverer
True North™

SUV & PICKUP TRUCK



Discoverer
M+S™





Standard Limited **WARRANTY**

Car and SUV

EVOLUTION WINTER™

The **Evolution Winter™** is a studdable tire designed for excellent performance in variable winter conditions, and with outstanding deep snow traction.

- Powers through deep snow
- Studdable for improved ice traction
- Quiet ride

FREE 45-DAY TEST DRIVE



SAWTOOTH CIRCUMFERENTIAL CENTER RIB

The wide contact of the center rib enhances stability in all weather conditions.

SNOW-GROOVE TECHNOLOGY

Traps snow in the tread, enhancing grip through snow-on-snow traction.

MULTI-ANGLED CORRUGATED SIPPING

Lots of biting edges in every direction to provide grip and traction on straightaways, or when turning.

STUD PIN CAPABLE

Strategically-placed stud pin holes provide additional traction and stopping capability on ice.

SEVERE WEATHER RATED

Standard Limited WARRANTY

Car, SUV and Pickup Truck

DISCOVERER TRUE NORTH™

The **Discoverer True North™** is designed for exceptional traction in unpredictable winter weather conditions. Ideal for drivers who want performance on highway commutes in winter weather, where slush and black ice can be a common occurrence.

- Shortest stopping distance in snow*
- Incredible grip on snow
- Exceptionally quiet

FREE 45-DAY TEST DRIVE



OUTBOARD TREAD

Provides exceptional slush and water evacuation.

INBOARD TREAD

Provides more rubber on the road to grip ice.

NOISE DAMPENING STRUCTURES

Reduces noise generated from tire/road interaction.



SNOW-GROOVE TECHNOLOGY

Traps snow in the tread, enhancing grip through snow-on-snow traction.



TREAD COMPOUND

Enhances traction on ice and negates the need for stud pins.

HIGH DENSITY SIPING

More sipes provide grip and traction in ice and snow.

SEVERE WEATHER RATED

 **COOPERTIRES®**

*Based on the results for Cooper® Discoverer True North™ 235/70R16 tires in comparative snow braking testing against three select competitor tires.

Standard Limited **WARRANTY**

SUV / Pickup Truck

DISCOVERER M+S™

The **Discoverer M+S™** is the winter tire specifically designed for SUVs and pickup trucks.

- Pinned for studs
- Severe weather rated
- Extensive size coverage



FREE 45-DAY TEST DRIVE



SAWTOOTH CENTER RIB

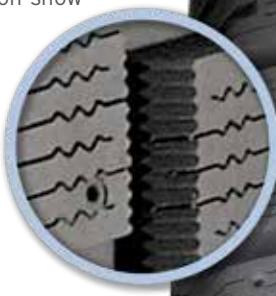
Increases stability, maintains even treadwear, and aids in acceleration and braking.

"D SQUARED" SIBE TECHNOLOGY

Adds sipe density and depth for improved winter traction throughout the tire's life.

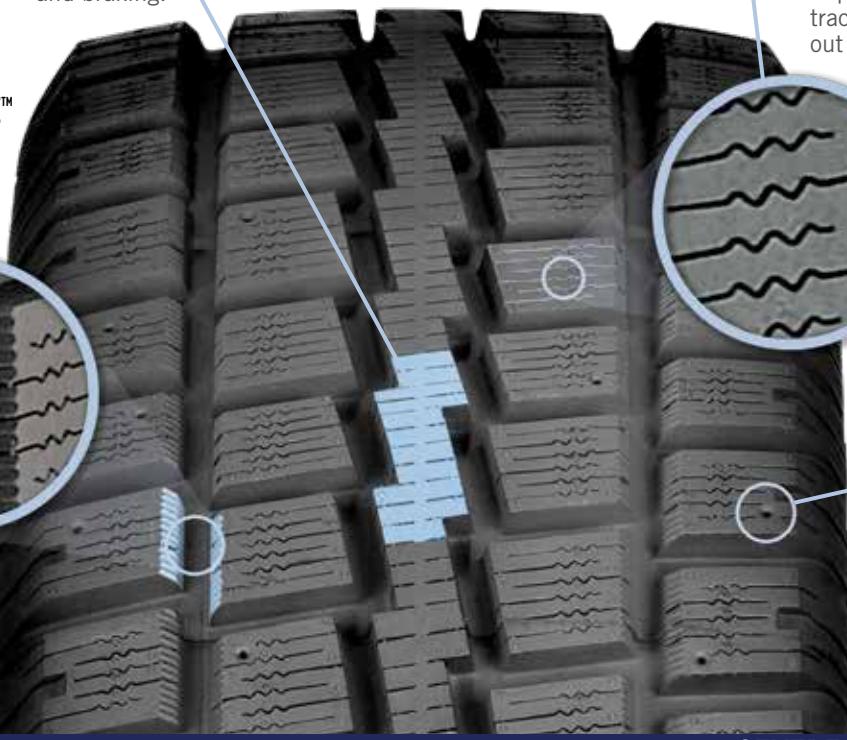
PATENTED SNOW GROOVE™ DESIGN

Creates increased traction through snow-on-snow grip.



STRATEGICALLY PLACED STUD PIN HOLES

Studs deliver optimum traction on ice.



SEVERE WEATHER RATED

2019 COOPER® CAR & SUV TIRE SIZE MATRIX

Rim Diameter	Aspect Ratio	Size	Performance	All-Season	Enthusiast	Winter
			COOPER ZEON RS3-G1™ COOPER ZEON RS3-S™	CS5 ULTRA TOURING™ and CS5 GRAND TOURING™	LIFELINER GLS™ TRENDSETTER SE™	COBRA RADIAL G/T™ EVOLUTION WINTER™
13	70	175/70R13		EVOLUTION TOUR™		
14	60	185/60R14 195/60R14 235/60R14		H		
				H		
65	175/65R14 185/65R14			T		T
				H / T		T
70	175/70R14 185/70R14 195/70R14 215/70R14 225/70R14			T		T
				T		T
15	50	295/50R15				S
	55	195/55R15	V			
60	185/60R15 195/60R15 205/60R15 215/60R15 225/60R15 235/60R15 245/60R15 255/60R15 275/60R15		T	T		T-XL
			H / T	H / T		T
			H / T	T		T
			H / T			T
			H			T
						T
						T
						T
65	175/65R15 185/65R15 195/65R15 205/65R15 215/65R15		H			T
			H / T	H / T		T
			H / T	H / T		T-XL
			V / H-XL / H / T	H / T		T
			T	T		T
70	205/70R15 215/70R15 225/70R15 235/70R15 255/70R15		T	T	S	T
			T	T	S	T
						T
						T
75	205/75R15 215/75R15 235/75R15				S	T-XL
16	50	205/50R16	H			T
	55	225/50R16	V			
	55	245/50R16	W			
	55	185/55R16		H		
	55	195/55R16	V			
	55	205/55R16	W	V / H / T	H / T	H-XL
	55	215/55R16	W	H	H-XL	H
	60	225/55R16	W	V / H	H	H-XL
60	205/60R16 215/60R16 225/60R16 235/60R16		V / H / T	H / T		H
			V / H / T	H / T		H
			H / T	H / T		H
			V / T			T
65	205/65R16 215/65R16 225/65R16 235/65R16		H	H		T
			H / T	T		T
			T	T		T
			T	T		T
70	205/70R16 215/70R16 225/70R16 235/70R16		T			T
			T			T
			T			T
						T
75	225/75R16					T



COOPERTIRES®

2019 COOPER® CAR & SUV TIRE SIZE MATRIX

Rim Diameter	Aspect Ratio	Size	Performance		All-Season		Enthusiast		Winter		
			COOPER ZEON RS3-G1™	COOPER ZEON RS3-S™	CS5 ULTRA TOURING™ and CS5 GRAND TOURING™	EVOLUTION TOUR™	LIFELINER GLS™	TRENDSETTER SE™	COBRA RADIAL G/T™	EVOLUTION WINTER™	DISCOVERER TRUE NORTH™
17	40	245/40R17	W	W							
		255/40R17	W								
		275/40R17	W	W							
45	205/45R17	W									
	215/45R17	W-XL	W-XL	V-XL					H-XL	H-XL	
	225/45R17	W-XL	W-XL	W-XL / H					T-XL	H-XL	
	235/45R17	W	Y-XL	W / H					H		
	245/45R17	W	Y	H							
50	205/50R17	W-XL	W-XL	V-XL					H-XL	H-XL	
	215/50R17	W-XL	W-XL	V-XL					H-XL	H-XL	
	225/50R17	W-XL	W-XL	V	V / T				H	H-XL	
	235/50R17	W	V								
55	205/55R17									H-XL	
	215/55R17	W-XL	V	V / T					H	H	
	225/55R17		V / H / T	H					T	H	
	235/55R17	W	W / V / H / T	T					H	H	
60	215/60R17		T	T					T		
	225/60R17		V / H / T	T					T	T	
	235/60R17		T	T					T	T	
65	215/65R17		T	T					T		
	225/65R17		H / T	T					T	T	
	235/65R17		H / T	T					T	T	
	245/65R17			T					T		
70	245/70R17								T		
18	35	255/35R18	Y	Y							
		275/35R18	W	Y-XL							
40	225/40R18	W-XL	Y-XL								
	235/40R18	W-XL	Y-XL								
	245/40R18	W-XL	Y-XL								
	255/40R18	Y-XL	Y-XL								
	275/40R18	W	Y								
45	215/45R18	W-XL									
	225/45R18	W-XL	W-XL	W-XL / V-XL					H-XL	H-XL	
	235/45R18			W / V						H-XL	
	245/45R18	Y	Y	V-XL					T-XL	H-XL	
	255/45R18	W-XL									
50	225/50R18	W		T	T				T	H	
	235/50R18	W	W	W / V					T	H	
	245/50R18			V							
55	215/55R18		H						T		
	225/55R18		H / T	H					T	H	
	235/55R18		V-XL	V					H	H	
	245/55R18	W								H	
	255/55R18								T-XL		
60	225/60R18		V / H	H					H	T	
	235/60R18		V						T	T-XL	
	245/60R18		H						T	T	
	265/60R18								T	T	
65	235/65R18		T						T	T	
	255/65R18		H						T	T	
	265/65R18								T	T	
19	30	305/30R19	W-XL								
		325/30R19		Y-XL							
35	235/35R19		Y-XL								
	245/35R19		Y-XL								
	255/35R19	W-XL	Y-XL								
	265/35R19		Y-XL								
	275/35R19	W-XL									
	285/35R19	W	Y								
40	235/40R19			V-XL							
	245/40R19	Y		W-XL							
	255/40R19	W-XL	Y-XL								
	275/40R19	W-XL									
45	225/45R19			W							
	245/45R19	Y		V							
	255/45R19			V-XL							
50	245/50R19	W-XL								H-XL	
	255/50R19										
55	235/55R19			H-XL					T-XL	H-XL	
	245/55R19								T	T	
60	255/60R19			H							

2019 COOPER® CAR & SUV TIRE SIZE MATRIX

Rim Diameter	Aspect Ratio	Size	Performance		All-Season		Enthusiast	Winter
20	35	255/35R20	Y-XL	W-XL	W-XL	EVOLUTION TOUR™	COBRA RADIAL G/T™	EVOLUTION WINTER™
		265/35R20	W-XL			LIFELINER GLS™		DISCOVERER TRUE NORTH™
		275/35R20	Y-XL	W-XL		TRENDSETTER SE™		
		305/35R20	W-XL	Y-XL				
40	245/40R20	Y-XL	Y-XL					
	275/40R20	Y-XL	Y-XL					
45	245/45R20	Y-XL	Y-XL					
	255/45R20	W		V				
50	245/50R20			H			T	H
	255/50R20			V-XL			H-XL	
	265/50R20						H-XL	T
55	235/55R20							H
	255/55R20						T-XL	



COOPERTIRES®

2019 COOPER® PRODUCT FEATURES MATRIX

Product Name	Mileage Warranty	Mileage Warranty	Road Test	Application	M+S	Severe Weather Rated	Anti Stone Retention	Asymmetric Tread Design	Armor-Tek3	Silica Compound	Cut and Chip Resistant	Stabledge	Stud Pin Compatible	Wear Square	Winter Edge	3D Micro-Gauge Siping
PASSENGER																
(USA = Miles) (Canada = km)																
Cooper Zeon RS3-G1	45,000 (all 4) 23,000 (staggered)	80,000 (all 4) 40,000 (staggered)	45-Day	All-Season Performance												
Cooper Zeon RS3-S	20,000 (all 4) 10,000 (staggered)	32,000 (all 4) 16,000 (staggered)	45-Day	Summer Performance												
CS5 Ultra Touring	50,000 - V Rated 70,000 - ViH Rated	80,000 - W Rated 115,000 - ViH Rated	45-Day	Premium Luxury Touring												
CS5 Grand Touring	80,000	130,000	45-Day	Premium Luxury Touring												
Evolution Tour	60,000 - ViH Rated 65,000 - T Rated	96,000 - ViH Rated 105,000 - T Rated	45-Day	Touring												
Lifeliner GLS	65,000	105,000	45-Day	Touring												
Trendsetter SE	40,000	64,000	45-Day	Value												
Cobra Radial G/T	50,000	80,000	45-Day	Cosmetic												
SUV / PICKUP TRUCK																
Discoverer SRX	65,000 - V Rated 70,000 - H Rated 75,000 - T/S Rated	105,000 - V Rated 115,000 - H Rated 120,000 - T/S Rated	45-Day	Luxury Touring												
Discoverer SRX ^{LE}	50,000	80,000	45-Day	Premium Luxury Touring, OE												
Evolution ^{H/T}	60,000	96,000	45-Day	Highway												
Discoverer H/T Plus	-	-	45-Day	Highway Sport Truck												
Discoverer HT3	50,000	80,000	45-Day	Commercial Highway												
Discoverer AT3 ^{4S}	65,000	105,000	45-Day	SUV All-Season, All-Terrain, Severe Weather												
Discoverer AT3 ^{LT / XLT}	60,000	96,000	45-Day	Pickup Truck All-Season, All-Terrain, Severe Weather		Select Sizes Only										
Cooper Zeon LTZ	-	-	45-Day	All-Terrain Sport Truck												
Discoverer STT ^{Pro}	-	-	45-Day	Off-Road Traction												
Discoverer S/T ^{Maxx}	-	-	45-Day	Commercial Traction												
Evolution M/T	-	-	45-Day	Mud Traction												
WINTER																
Evolution Winter	-	-	45-Day	Car / CUV												
Discoverer True North	-	-	45-Day	Car, SUV, Pickup Truck												
Discoverer M+S	-	-	45-Day	SUV and Pickup Truck												

FEATURES GLOSSARY

3D MICRO-GAUGE™ SIPING TECHNOLOGY

Thin channels in the tread block of the tire, known as sipes, are designed to improve traction in rain and light snow conditions. In wet weather, the channels work to aid in evacuating water away from the tire tread. In snowy conditions, the channels assist in retaining snow in the tread of the tire, increasing grip through snow-on-snow traction. In addition, the sipes create more gripping and biting edges on the surface of the tire, which improves the tire's traction and handling. The 3D Micro-Gauge™ Siping technology from Cooper® allows the sipes or biting edges to go deep into the tread, providing consistent performance throughout the life of the tire. In addition, the 3D Micro-Gauge™ Siping technology features dimples in the channels which allows the sipe to interlock when the tire is moving. This stabilizes the tread block, which prevents it from squirming while the tire is moving, and results in superior handling.

ADAPTIVE – TRACTION TECHNOLOGY™

Innovative silica-based, all-weather tread compound enhanced with Secure-Grip™ all-terrain tread design enables the tire to grip the surface, rocky or smooth, and to adapt in a wide range of environments and temperatures be it wet or dry, hot or cold.

ANTI-STONE RETENTION

Stones retained in a tire's tread can damage the tire, by drilling into the tire and causing the tread to be chipped away. Tires with anti-stone retention have been specifically designed with patterns and features that aid in ejecting the stones, helping to prevent tire damage from road debris.

ARMOR TEK³® CONSTRUCTION

In the **Discoverer STT Pro™** and **Discoverer S/TMAXX™** off-road tires, polyester cords in the tire are called plies, which add strength to the tread and sidewall of a tire. Armor Tek³® construction is a patented technology from Cooper that utilizes three plies in the tread and sidewall of the tire for strength, helping to protect against impact damage from nails, branches and other hazards. The Armor Tek³® construction layers the three plies over each other in an overlapping, cross-hatched pattern. This pattern reduces the gaps in between the layers of the plies, and reduces the likelihood of punctures to the sidewall of the tire, resulting in 50% more protection against impact damage than standard 2-ply tires.

ASYMMETRIC TREAD DESIGN

An asymmetric tread design means the design of the tread pattern on the outside of the tire is different from the design of the tread pattern of the inside of the tire. The tread pattern on the outside of an asymmetric tire is for improved handling and dry traction, while the tread pattern on the inside of the tire is for improved wet and winter traction. This changing pattern allows the tire to provide better traction and grip, leading to more control on the road. Another benefit of an asymmetric tread design is that it allows tires to be cross-rotated to all four corners of the vehicle, which aids in the ability of the tire to wear evenly, helping to promote a quiet ride and deliver long lasting performance.

CUT AND CHIP ADDITIVES

Rocks and debris on the road can damage your tires, by cutting and chipping away at the tire tread. Tires with cut and chip additives have a specially formulated rubber compound that resists damage from road debris, which can extend the life of your tires, especially if you frequently travel on dirt and gravel roads.

DURABLE – TREAD TECHNOLOGY™

Durable tread compound coupled with an all-terrain tread pattern to provide superior cut and chip resistance and withstand the ongoing assault of dirt and gravel while also providing long lasting tread wear.

SEVERE WEATHER RATED



Tires have passed the required industry standard certification which tests the tire's ability to accelerate on snow and meet the requirements for severe snow performance. The **3-Peak Mountain and Snowflake Symbol (3PMSF)** is branded on the sidewall of the tire.

SILICA COMPOUND

Silica improves the tire's ability to grip, improves handling in wet and dry conditions, and helps to improve fuel efficiency. Although many tires feature silica, the amount of silica found in tires and how the silica is mixed into the tread compound will vary by product type. Cooper uses a silica tread compound, which is formulated at the molecular level in order to maximize the benefits of the silica.



STABILEDGE™ TECHNOLOGY

Under the weight and pressure of your car, tire treads tend to close due to the grooves in the tires. This can cause a squirm between the tread elements as the tires are in motion, resulting in an uncomfortable ride. With Stabiledge™ technology, little bumpers in between the tread grooves prevent them from closing, providing more stabilization for the tire and resulting in better traction, steering and a better feel for the road.

STUDDABLE TIRES

Studdable tires are designed to allow the incorporation of metal studs into the tread of the tire for improved traction on ice. The studs are able to dig into the ice to increase grip in winter conditions. It is always preferable to apply studded tires to all wheel positions to maintain the vehicle's mobility and control. Only new tires should be fitted with studs. Some restrictions do apply in certain areas regarding the use of stud pins.

WEAR SQUARE®

Assessing the level of tread wear on a tire has traditionally been done with a tire depth gauge but, with Wear Square® technology from Cooper, the task of making sure your tire has a good amount of tread life left is easier. Confidently and quickly determine the tread life left on your tire by locating the symbols shown right on your tire. These symbols indicate the remaining tread on your tire and help to indicate when replacement should occur. First introduced on the company's CS5 Touring tires, the Wear Square® transitions among five stages, beginning with a full square design on new tires and ending with an exclamation mark when the tread reaches 2/32s of an inch, the minimum tread depth permitted in most states.

On our CS5 Touring tires and our Discoverer SRX™ tires, the Wear Square® is located at six points of reference around the inboard and outboard shoulders of the tire, which can aid in identifying uneven tire wear and possible wheel alignment issues.

On our Cooper Zeon RS3-G1™ tires, the Wear Square® is located at 3 points of reference on the center rib of the tire.

WEATHER-MASTER CERTIFIED



The **Cooper® Evolution Winter™** and **Cooper® Discoverer True North™** winter tires both have earned the Weather-Master distinction for their tested and trusted performance in the harshest winter weather.

WINTER EDGE

Winter Edge technology utilizes grooves in the tread of a tire that trap snow in the tire. Trapping snow in the tread increases grip through snow-on-snow traction. The snow trapped within the grooves improves traction and handling in light snow conditions.

TIRE SAFETY

The purpose of this section is to provide tire service buyers, professionals and end users an understanding of the many factors that are essential to the proper care and service of tires.

This is not all inclusive and is not intended to eliminate in-depth, practical training, especially in areas such as: tire mounting and demounting; tire and wheel balancing; tire retreading; tire pressure monitoring systems (TPMS) and tire repairing. Personnel that service tires must receive professional training and certification. Tire manufacturers and industry organizations provide comprehensive, hands-on training programs for tire service professionals. For more information on TIA Certified Tire Service Technician Programs, please contact TIA at www.tireindustry.org or call 800-876-8372 x107 or call Cooper Consumer Relations team directly at 1-800-854-6288.

“WARNINGS” and “CAUTIONS” contained in all tire publications are important and must be followed. Questions pertaining to specific products or pieces of service equipment should be addressed directly to the manufacturer of that product.

Tires are designed and manufactured to meet strict governmental requirements, internal company standards, vehicle performance characteristics and driver expectations. Modern tire technology blends a unique mix of chemistry, physics and engineering to give drivers a high degree of tire performance that provides safety, reliability, efficiency, long wear and comfort. Tires are manufactured, inspected and tested to assure safety and satisfaction. As a result, properly cared-for tires will provide a longer service life.

The Most Important Factors In Tire Safety, Performance and Service Life Are:



Tire and wheel servicing can be dangerous and if done improperly could cause serious injury if not death. Servicing tires should only be done by qualified and trained personnel, while using proper tools and practicing the proper procedures.

INFLATION PRESSURE

Maintaining proper inflation pressure in tires is the single most important factor in extending tire life. Over and under inflation have negative effects on the tire by changing the tire's footprint, which is the area contacting the road. When the tire is not contacting the road as design intended, the tread area will wear irregularly and therefore rapidly wear the tread surface. Likewise, it is air, not the tire actually carrying the load and absorbing shock. Any condition causing the tire to flex more as it is rolling down the road is causing heat buildup that can cause tire components and steel cord damage.

Correct inflation pressure for a vehicle is determined by the load carried for each tire.

! WARNING

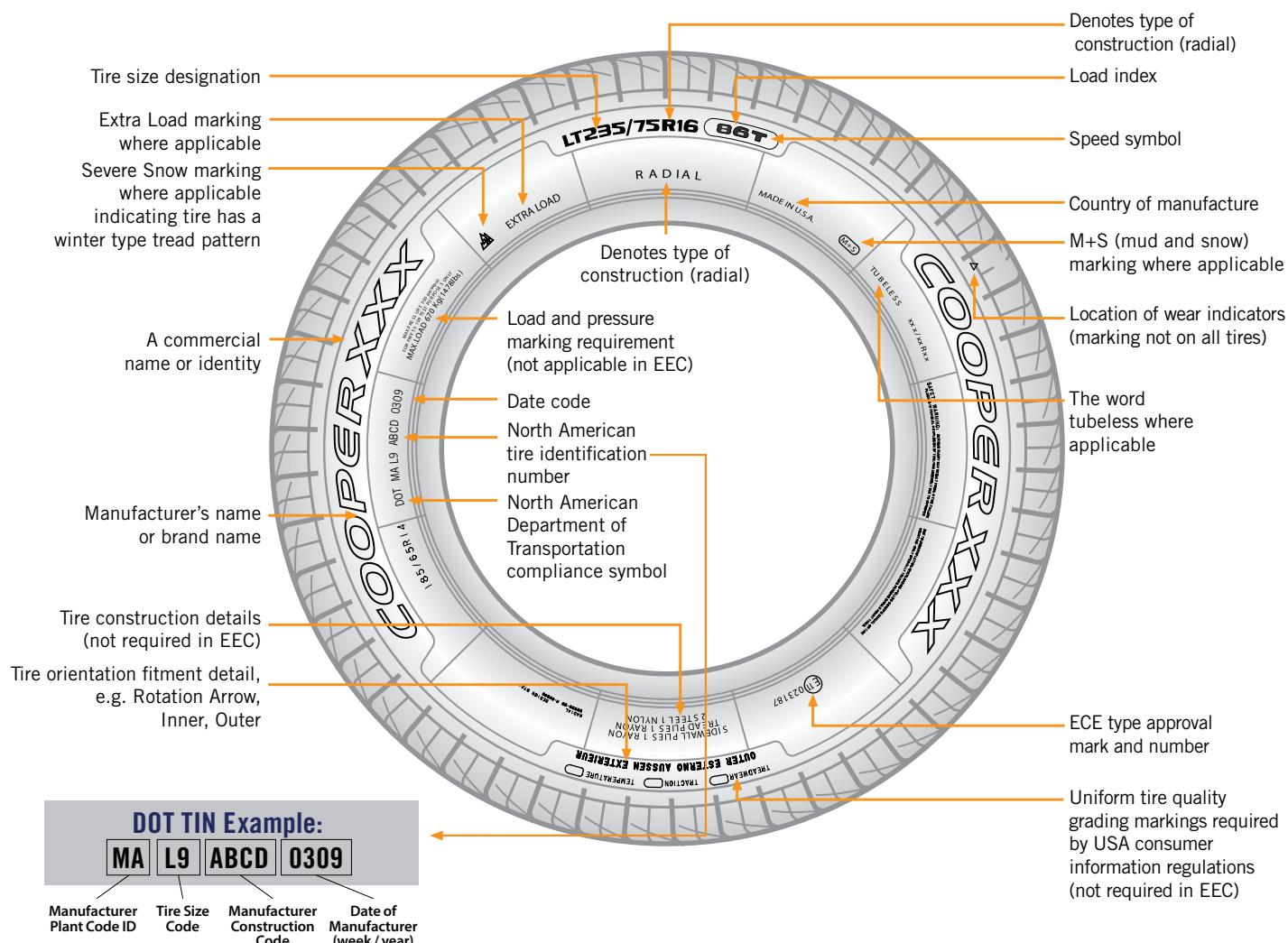
Driving on tires with improper inflation pressure is dangerous.

- Under inflation causes excessive heat buildup and internal structural damage.
- Over inflation makes it more likely for tires to be cut, punctured or broken by sudden impact.

These situations can cause a tire failure, including tread / belt separation, even at a later date, which could lead to an accident and serious personal injury or death.

Consult the vehicle placard, certification label, owner's manual and/or the Tire & Rim Association Load and Inflation tables for the recommended inflation pressures.

HOW TO READ A TIRE SIDEWALL



TIRE SIZE DESIGNATIONS

The following is an explanation of size designation systems presently in use for passenger vehicle tires:

METRIC TIRE SIZES

No prefix in the tire size indicates this is a Passenger Tire in European Metric. The (P) in the tire size indicates this is a Passenger Tire in P-Metric and (LT) in the size indicates this is a Light Truck Tire in Light Truck Metric.

Load Identification				Service Description			
235	/	75	R	15		EXTRA LOAD	
P235	/	75	R	15		STANDARD LOAD	
LT235	/	75	R	15	C		
Nominal Section Width (mm)	Nominal Aspect Ratio (Ratio of Height to Width)	Construction Code ("R" = Radial)	Rim Diameter (inches)	Load Range	Load Index (Single/Dual)	Speed Symbol	

HIGH FLOATATION (CONVENTIONAL LIGHT TRUCK) TIRE SIZES

Load Identification				Service Description			
33	X	12.50	R	15LT	C	108	R
Nominal Overall Diameter (inches)	Nominal Section Width (inches)	Construction Code ("R" = Radial)	Rim Diameter (inches)	Load Range	Load Index (Single)	Speed Symbol	

DOT TIRE IDENTIFICATION NUMBER

The “DOT” symbol certifies the tire manufacturer’s compliance with U.S. Department of Transportation (U.S. DOT) tire safety performance standards. Next to these letters is the tire identification number (TIN) - also known as the tire “serial” number. The first two digits are the factory code indicating where the tire was made. The last four digits are numbers identifying the week and year of manufacture (Example: “0316” means third week of the year 2016). Other characters in between the first four and last four are optional manufacturer’s codes for tire type, make, etc. All tires produced after September 2009 must have the full TIN on the intended outboard side of the tire and at least a partial TIN on the intended inboard side. The partial TIN does not include the date code.

M+S RATED

The letters “M” and “S” indicate the tire is intended for limited mud and snow service. This mark may be found in several formats that may include: “MS,” “M/S,” or “M&S.”

TUBELESS

The tire must be marked either “tubeless” (tire does not use an inner tube) or “tube type” (tire requires an inner tube).

RADIAL

A tire with radial construction must show the word “RADIAL” on the sidewall. A radial tire is also delineated by the character “R” in the size designation. Other tire size suffix letters are included, when necessary, as part of the tire size to differentiate between tires for service conditions which may require different loads and inflations and/or tires, which must be used on different type rims. (Example: 7.50-15LT, 7.50-15ST, 7.50-15NHS, 7.50-15TR)

ADDITIONAL OPTIONAL SUFFIX LETTERS

LT – Light truck

ST – Special trailer

TR – Tires for service on trucks, buses or other heavy vehicles. This suffix is intended to differentiate between truck tires and light vehicle tires with similar size designations.

ML – Mining and logging tires used in intermittent highway service.

MH – Tires for mobile homes.

HC – Identifies a 17.5 rim diameter code tire for use on low platform trailers.

NHS – Not for highway service.

LOAD INDEX

The load index is a numerical code (104/101 in the example) associated with the maximum load a single tire can carry at the speed indicated by its speed symbol under specified service conditions. The numeric load index is a code ranging from 65 to 170 that represents the maximum load carrying capacity for a single tire. In the example, single and dual application load indices are listed. The maximum weight (load carrying capacity) is also stamped on the lower sidewall of the tire.

SPEED SYMBOL

The speed symbol is a letter indicating the speed at which a tire has been tested to carry a load corresponding to its load index. In the example above, the speed symbol “R” in the service description means a maximum speed rating of 106 miles per hour (170 km/h). Excessive speed is not only unlawful and may cause injury, but inflation pressure needs to be adjusted while load carrying capacities decrease. Consult the rim/wheel manufacturer for rim/wheel load and inflation capacities.

F	50 mph / 80km/h	R	106 mph / 170km/h
G	56 mph / 90km/h	S	112 mph / 180km/h
J	62 mph / 100km/h	T	118 mph / 190km/h
K	68 mph / 110km/h	U	124 mph / 200km/h
L	75 mph / 120km/h	H	130 mph / 210km/h
M	81 mph / 130km/h	V	149 mph / 240km/h
N	87 mph / 140km/h	W	168 mph / 270km/h
P	93 mph / 150km/h	Y	186 mph / 300km/h
Q	99 mph / 160km/h	Z	149+ mph / 240+km/h

TIRE PLY COMPOSITION AND MATERIAL USED

This identifies the number of plies and the type of cord materials in the tire tread and sidewall areas. A bias ply tire typically has multiple plies in the sidewall, versus an all-steel radial tire, which generally has a single sidewall ply. The body ply(s) functions as the structure of the tire and provide the strength to contain the inflation pressure.

MAXIMUM LOAD CARRYING CAPACITY AT MAXIMUM COLD INFLATION PRESSURE

If the tire size is one that can be used as either a single application (such as passenger and SUV tires) or as a dual application (such as for a full-sized pickup truck), a maximum load and maximum cold inflation will be stated for each application. In this example of a LT235/75R15 Load Range C with a 104/101R service description, molded in the sidewall:

MAX LOAD SINGLE 900 kg (1985 lbs.) AT 350 kPa (50 psi) MAX PRESSURE COLD
MAX LOAD DUAL 825 kg (1820 lbs.) AT 350 kPa (50 psi) MAX PRESSURE COLD

...indicating the maximum load of the tire and the corresponding maximum cold inflation pressure for that load when used as a single and dual applications. Sidewall markings are given in both metric and imperial units.

UTQG

The DOT requires tire manufacturers to grade passenger car tires based on three performance factors: **Treadwear**, **Traction**, and **Temperature Resistance**.

TREADWEAR: The treadwear grade is a comparative rating based on the wear rate of the tire when tested under controlled conditions on a specified government test course under specified test conditions as one graded 100.

However, it is erroneous to link treadwear grades with your projected tire mileage. The relative performance of tires depends upon the actual conditions of their use and may vary due to driving

habits, service practices, differences in road characteristics and climate.

TRACTION: The traction grades, from highest to lowest, are AA, A, B and C. They represent the tire's ability to stop on wet pavement as measured under controlled conditions on specified government test surfaces of asphalt and concrete.

TEMPERATURE: The temperature grades are A (the highest), B and C, representing the tire's resistance to the generation of heat when tested under controlled conditions on a specified indoor laboratory test wheel.

DIAGRAMMATIC COMPARISON OF LOW PROFILE TIRES (ASPECT RATIO)

Profile	70	65	60	55	50	45	40	35
Tire Width								

TIRE SPECIFICATION DEFINITIONS



RIM DIAMETER

The diameter of the rim in inches. If you change your wheel size, you will have to purchase new tires to match the new wheel diameter.

MAXIMUM AIR PRESSURE (PSI / KPA)

Also referred to as inflation pressure, correct inflation pressure for a vehicle is determined by the load carried for *each* tire. Refer to your vehicle's placard or owner's manual to determine the proper pressure required.

OVERALL DIAMETER

How tall the tire is. This is calculated by using the section height x 2 (unloaded but inflated) and adding the nominal rim diameter.



REVOLUTIONS PER MILE / KILOMETER (REVS)

Measured as the number of revolutions a tire makes in a mile or kilometer at 55 mph / 90 kph at maximum inflation pressure and maximum load. REVs vary with a change in speed, inflation and load.

TREAD DEPTH

Measured from the tread's surface to the base of the tire at designated tread depth indicators as marked on the tire. Also referred to as "non-skid."

DUAL SPACING

The minimum distance allowed between the wheel's center line in a dual application.

SECTION WIDTH

How wide the tire is including normal sidewalls but not including protective side ribs, bars or other decorations such as raised lettering.



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