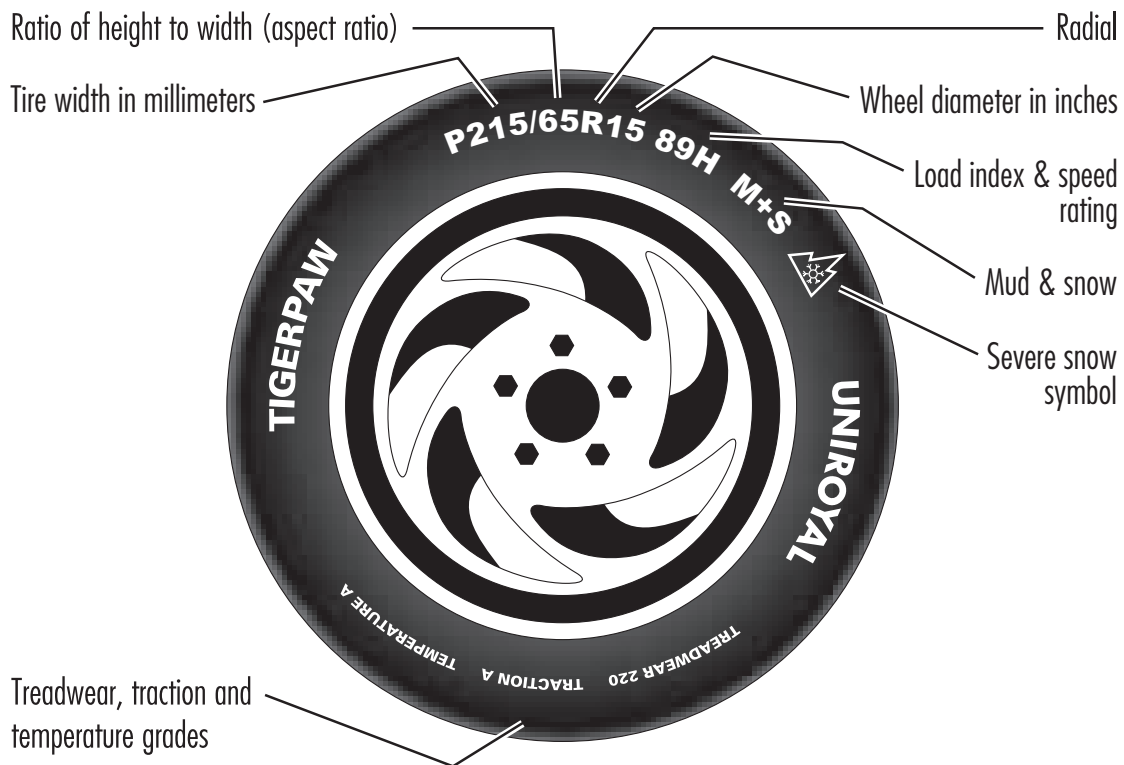


How to Read a Sidewall

The markings on a tire's sidewall provide a lot of information about the tire. Knowing how to read your sidewall can save you time and help you make an informed purchase.



Tire Width

The three-digit number refers to the overall width of the tire in millimeters. A wider tire will out-corner a slimmer one.

Aspect Ratio

The relationship between the tire height and width. In this example, the tire height is approximately 65% of the tire width.

Radial

The letter "R" indicates a radial construction of the carcass plies. The carcass plies run across the tire from lip to lip, helping to provide strength, stability, flexibility, and ride comfort.

Wheel Diameter

The number indicates that this tire fits on a wheel with a 15-inch diameter.

Load Index

The load index can range from 0 to 279 and indicates how much weight the tire is certified to carry at maximum inflation pressure. Never buy a tire with a lower load index than your vehicle's original tire. To determine your tire's load capacity, refer to the load index chart (see below):

Load Index	Maximum Load	
	kg	lbs
75	387	853
76	400	882
77	412	908
78	425	937
79	437	963
80	450	992
81	462	1019
82	475	1047
83	487	1074
84	500	1102
85	515	1135
86	530	1168
87	545	1201
88	560	1235
89	580	1279
90	600	1323
91	615	1356

Speed Rating*

The speed rating tells you the top speed at which the tire can operate. Speed ratings range from N (lowest) to Z (highest) with one exception: the H rating falls between U and V. To maintain the speed capability of a vehicle, use replacement tires with ratings equal or greater than those of the original tires.

Speed Rating	Maximum Speed	
	km/h	mph
Q	160	100
R	170	106
S	180	112
T	190	118
H	210	130
V	240	149
V [†]	240+	149+
W	270	168
Y	300	180
(Y)	300+	186+

ZR
 ††
 ↓

* Exceeding the safe, legal speed limit is neither recommended nor endorsed.

† Some V (or VR) rated tires may have a speed capacity greater than 240 km/h. Consult your participating Uniroyal® retailer for maximum speed rating if your vehicle capability exceeds this speed.

†† Z (or ZR) rated tires are designed for use on cars with maximum speed capabilities in excess of 270 km/h. (W, Y and (Y) speed ratings are sub-categories of Z.) Consult your Uniroyal® retailer for maximum speed capabilities.?

Mud & Snow

The letters M and S indicate that this tire meets the Rubber Manufacturers Association’s standards for a mud and snow tire. The letters can be found in the following combinations: M+S, M/S, and M&S. All-season tires carry this mark.

Severe Snow Symbol

A severe snow marking appears on winter tires that are designated for severe snow applications.

Treadwear

The government standard for wear is 100. If a tire has a rating of 200, we expect it to last twice as long. Conversely, a treadwear rating of 50 means it has half the mileage life.

Tips:

- Never choose a tire that is smaller than the tire that came with the car.
- If you are interested in a size other than your vehicle’s original equipment, or are upgrading, consult your local Uniroyal[®] tire retailer.

Traction

Tires are tested for braking on wet concrete and wet asphalt. If a tire brakes well on both surfaces, it receives an A rating. If it brakes well on one surface, it receives a B; and if it brakes poorly on both surfaces, it gets a C. AA is the highest attainable grade.

Temperature

Heavy loads, under-inflation, and high speeds can raise the temperature of a tire dramatically. An A rating means the tire resists heat build-up well, B is not as good, and C means the tire passes the minimum safety standards.

Notes:
