

Safe riding with our motorcycle tires Improving road safety for all riders is our commitment. We are here to help you ride safely!

Your safety is our priority

The tire plays a major role since it is the only link between the ground and the vehicle. So it is important to choose the right tire for the right usage.

Michelin helps you choose your tires and maintenance, and to identify handling difficulties.



Why do tires matter?

Tires play an essential role because they are the only link between the vehicle and the road.

Maintain your tires

To get the most out of your tires you'll need to maintain them properly. It's not as complicated as it sounds, and we're here to help.



Recognize handling difficulties

It isn't always easy to get to the bottom of the reasons for different performance issues. Tires aren't always the only factor to consider.



When should I change my tires?

Worn tires can ruin your vehicle's performance and even endanger you or your loved ones.



Safe riding tips

Check out our tips on riding safe in a group and with a passenger.



Raise your body temperature by getting active. Move around on your motorcycle, one leg after the other, one arm and then the next.





Improving road safety

Governments, international organizations and businesses must step up their efforts to make roads safer for everyone, and run awareness-raising and training schemes for all road users.

Improving road safety for everyone

Michelin is keen to step up to the plate in a bid to save more and more lives.



The challenge of making our roads safe

Every year, 1.2 million people are killed and another 50 million injured in traffic accidents, which are the leading cause of death among young people. Governments, international organizations and businesses must step up their efforts to make roads safer for everyone, and run awareness-raising and training programs for all road users.

Awareness-building campaigns

The Group is involved either directly or in collaboration with international bodies.

Michelin committed to the European Road Safety Charter in 2004 and is helping to improve road safety by conducting road safety awareness-building and training campaigns for road users. To date, Michelin has focused its efforts on 15 European countries, as well as working in Africa, America and Asia. After India, the Group ran campaigns for young people and newlylicensed drivers in the United States and Brazil in 2014, before shifting its focus to China in



Go to www.goldenrules-fia-michelin.com for the complete list of Golden Rules.

2015.





Recognize tire handling difficulties It isn't always easy to get to the bottom of the reasons for different performance issues. Performance issues may be caused by the tires (e.g. type of tire, incorrect pressure) and/or a change to

A sustained sideways wobbling of the front fork at low speeds (<60 mph/100 km/h) whilst slowing down.

the vehicle (e.g. accessories, load). Tires aren't always the only factor to consider.



Kickback

set off by an external impact (a bump, join in the tarmac).

A sharp sideways movement at the front (fork moving back and forth), it is intermittent and very fast, usually occurs during acceleration, and is



Weaving

of around 90 mph (140 km/h).

Shimmy

A wave-like movement of varying severity that may occur when riding in a straight line or on a curve, and usually appears at an average speed



Vibrations These occur throughout the whole front fork/wheel, usually at speeds of around 55 to 80 mph (90 to 130 km/h).



Tires are not always the only issue Weight distribution has a significant impact on whether or not a vehicle will develop a problem. The addition of accessories or modifications (non original top boxes, bags, fairings, windscreen,

handles, seat, wheels, etc.) may also play a part in performance. MICHELIN



1 Tubeless: No tube is used, when mounted on a tubeless rim; abbreviated "TL"

How do I read a tire size?



- 2 Rear: Direction of rotation for rear tire, indicated by an arrow on the tire sidewall
- 3 Michelin: Tire manufacturer 4 73 Load index: For example, 73 corresponds to a load of 805 pounds (365kg) per tire
- 5 Radial 6 Pilot Power 3: The tire's model name
- 7 190: Nominal section width of the tire, expressed in millimeters
- 8 55: Aspect ratio, the sidewall height as a proportion of the tire width
- 9 R: Radial construction 10 17: Bead-seat diameter of the wheel, expressed in inches (1 inch = 2.54 cm)

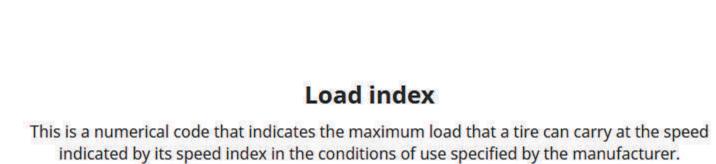
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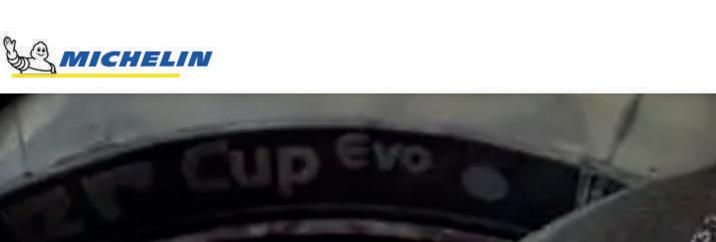
Tire speed index and load index

indicated by its load index under the conditions of use specified by the manufacturer.

Speed rating

The speed rating code indicates the maximum speed at which a tire can carry the load



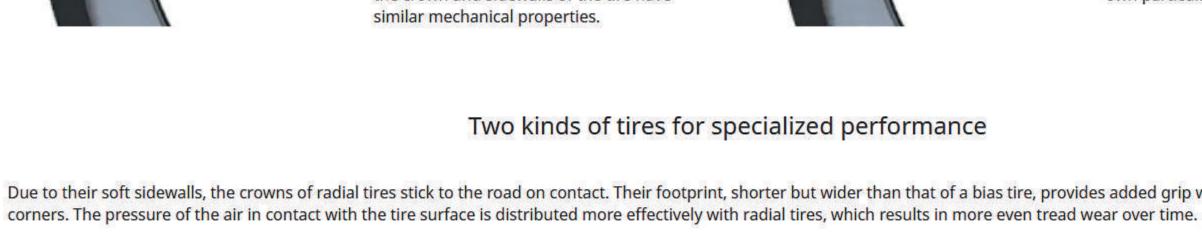


Bias (or diagonal) tires

Radial or bias tires?

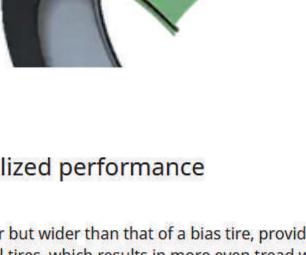
There's a lot of diversity in the world of motorcycles and scooters. Michelin uses two tire builds to make sure it has something for everyone: bias (or diagonal) tires and radial tires.

The carcass of a bias tire is made from layers With a radial construction, the ply cords of ply cord running diagonally to the center radiate out at 90-degree angles to the center line of the tread. The layers are placed so line of the tread. In addition, the crown is made from layers that form a belt. As a that the cords create a criss-cross pattern.



The whole structure is uniform throughout; the crown and sidewalls of the tire have similar mechanical properties.

Two kinds of tires for specialized performance Due to their soft sidewalls, the crowns of radial tires stick to the road on contact. Their footprint, shorter but wider than that of a bias tire, provides added grip when leaning in heavily on



result, the crown and sidewalls have their own particular characteristics.

Radial tires

tires are able to carry a greater weight because their sidewalls are more rigid. At high speeds, bias tires can become so deformed that their performance is affected. Ultimately, bias tires are suitable for vehicles traveling at moderate speeds, with small to medium-sized engines and flexible chassis. They are also suited to heavy or heavily loaded motorcycles. Radial tires are needed for more powerful vehicles with very rigid chassis and for more sporty purposes. They allow you to reach ZR speed ratings, above 150 mph.

Radial tires also provide greater comfort at higher speeds, once again as a result of their soft sidewalls, which absorb the impact of imperfections on the road surface. On the other hand, bias

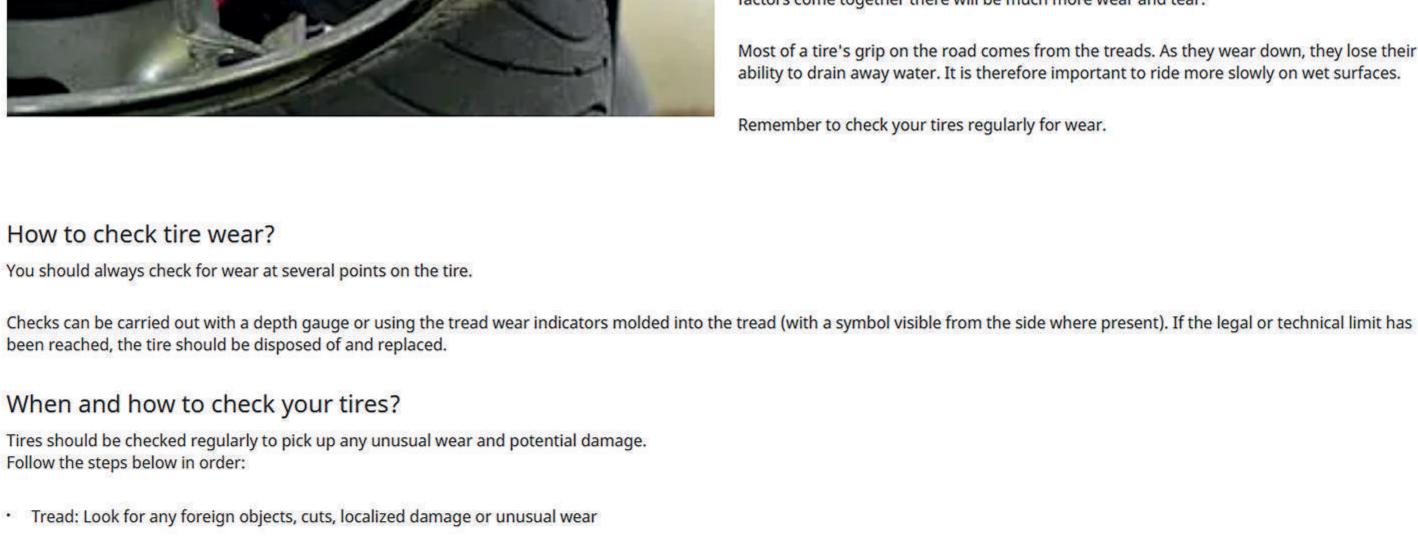
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Tire wear and tear

Why do some tires wear out faster than others?



style (braking and accelerating). Others are not and would mean changing the kind of riding you're doing: Road use: road curviness, surface type



Sides: Look for impact damage (pavement, potholes, etc.), cuts, cracks or unusual deformities

marbling or abrasions to the inner rubber as a result of riding with insufficient tire pressure.

A single factor on its own may have only a small impact on a tire's mileage; however, if many factors come together there will be much more wear and tear. Most of a tire's grip on the road comes from the treads. As they wear down, they lose their

A tire's final mileage may depend on various factors:

Remember to check your tires regularly for wear.

Off-road use: Kind of terrain (sand, gravel, mud, etc.), ambient temperature

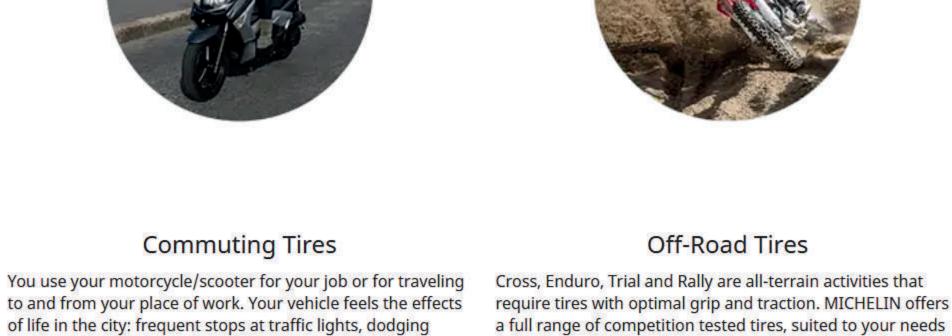
Some of these are within the motorcyclist's control: tire pressure, load, vehicle speed, riding

· Area around the rim/bead chafer: Look for marks made by scrapes or damage to the rim. All fissures, cuts and visible deformations in the tire tread, the sides, or the area where the tire meets the wheel should be examined in detail (internally/externally) by a tire professional. The same applies to any deterioration of the rim. Under no circumstances should you re-mount tires that show damage such as a deformed or visible bead, rubber or layers becoming unstuck, damage by oily or corrosive substances,

During each vehicle inspection, check that the valve dustcaps are in a satisfactory state. If in doubt, replace them. MICHELIN

The right tires for the right usage





Track Tires Tested and proven on the racetrack, our range of track tires features advanced technology that has shone on some of the world's most demanding circuits. High performance tires for added grip and total enjoyment.



Commuting Tires

other vehicles, damaged road surfaces... and you ride

hard-wearing and help you travel safely for as long as

possible.

Michelin puts everything within reach.

whatever the weather, all year round. Your tires need to be





Retro - Vintage Tires For fans of vintage scooters and motorcycles, MICHELIN has designed a range of retro tires with a decorative touch. Be sure to stand out from the crowd when you ride, with no compromise on stability and grip.

Looking for adventure? Our tires will follow you on your journey along smooth roads or off the beaten track in search of new experiences. Our aim is to provide you with tires that last and can go anywhere while providing the highest level of comfort and confidence.

Touring Tires

Adventure - All Terrain Tires

A beautiful road, beautiful bends, beautiful sunshine: it's time

to hit the road! With MICHELIN tires, there's no need to

choose between the ride of your life and a safe day out.