



Indian Standard IS 15633:2022 - Your Guide to Safe Car Tyres

When buying new tyres for your car, safety, durability, performance, and proper size selection are key concerns. You want tyres with **excellent grip**, long **tread life**, and **fuel efficiency**, ensuring your vehicle handles well in all conditions. It's also crucial to select the correct tyre size, as **mismatched tyres** can affect your **car's handling**, fuel consumption, and **safety**.

Tyres are a critical safety component of your vehicle. **Indian Standard IS 15633**, developed by the Bureau of Indian Standards (BIS), outlines the safety and performance requirements for pneumatic tyres used in passenger cars, covering both radial and diagonal ply tyres.

This standard ensures tyres can handle specific loads, speeds, and terrains without failure. Important Tests like **Tyre strength**, **Load/Speed Performance**, **Bead Unseating Resistance**, and **tyre size/dimensions** ensure that tyres can handle high speeds, rough terrains, and emergency situations without failure. This dramatically reduces the risk of tyre blowouts or detachment from the rim, keeping you and your passengers safe.

Tyres are also tested for **long-lasting performance** under various conditions. **Endurance tests** simulate long-term wear, ensuring that your tyres remain safe and functional over their lifespan, regardless of extreme conditions of use.

Tyre markings provide crucial information for selecting the right tyre. For instance, **185/70 R14 89T Tubeless** indicates the tyre's width (185 mm), aspect ratio (70%), radial-ply structure (R), rim diameter (14 inches), load capacity (89 = 580 kg), and speed rating (T = 190 km/h). **Tread Wear Indicators (TWI)** also help alert drivers when the tread is worn down to an unsafe level, reducing the risk of accidents, especially in wet conditions.

The **DPIIT Quality Control Order** mandates that all tyres sold, manufactured, or imported in India comply with IS 15633 and display the **BIS Standard Mark**, ensuring high-quality, safe tyres for Indian roads.

In summary, **IS 15633** is your assurance that the tyres you buy are safe, durable, and of high quality. Next time you purchase tyres, look for the **BIS mark** to ensure they meet these standards, giving you peace of mind for your safety and your car's performance.