



IS 15636 : 2022 - Automotive Vehicles: Pneumatic tyres for commercial vehicles Diagonal and Radial Ply

Pneumatic tyres are an important component of **Commercial vehicles** (such as for trucks, buses, and other vehicles used for the transport of goods or passengers) **which are meant to run on rough terrain, wet roads, and long distance travelling with heavy loads.**

While purchasing a pneumatic tyre, customers are always concerned about its life on rough surfaces, load carrying capacity, long travel, maximum safe speed, and maximum kilometres possible.

The standard **IS 15636 : 2022** addresses the general, dimensional and performance requirements for **pneumatic tyres (Diagonal and Radial Ply tyres)** specifically designed for **commercial vehicles** used for the transport of goods or passengers.

The standard includes requirements of Endurance test, Load/Performance test, Tread-Wear Indicators and Tyre Strength test (Plunger test) besides dimensional requirements for ensuring proper Load-Carrying Capacity, Speed Rating, Durability, Tread Life, Fuel Efficiency (Rolling Resistance), long hour endurance protocols, rolling resistance and that tyres can handle various terrains and weather.

Marking on the tyre gives you an idea about size and quality of product for suitable use in your vehicle. For example : **205/55 R16 91V**, **205: Width of the tyre in millimeters (from sidewall to sidewall), 55: Aspect ratio, the height of the sidewall as a percentage of the width (here, 55% of 205mm), R: Radial construction, 16: Diameter of the wheel rim in inches, 91: Load index, which corresponds to the maximum weight the tyre can carry (91 = 615 kg), V: Speed rating, which is the maximum speed the tyre is approved for (V = 240 km/h or 149 mph).**

This is enforced by **DPIIT Quality Control order**, which mandates that all tyres sold manufactured or imported in India must comply with IS 15636 ensuring high quality and safe tyres.

In summary, IS 15636 is assurance to you that the tyre you purchase for your vehicle is safe reliable and of high performance. Next time while purchasing the pneumatic tyre for your commercial vehicle, look for ISI marking and read the marking available on the tyres. This will give you complete information and give you confidence about your product.