



TECHNICAL FILE

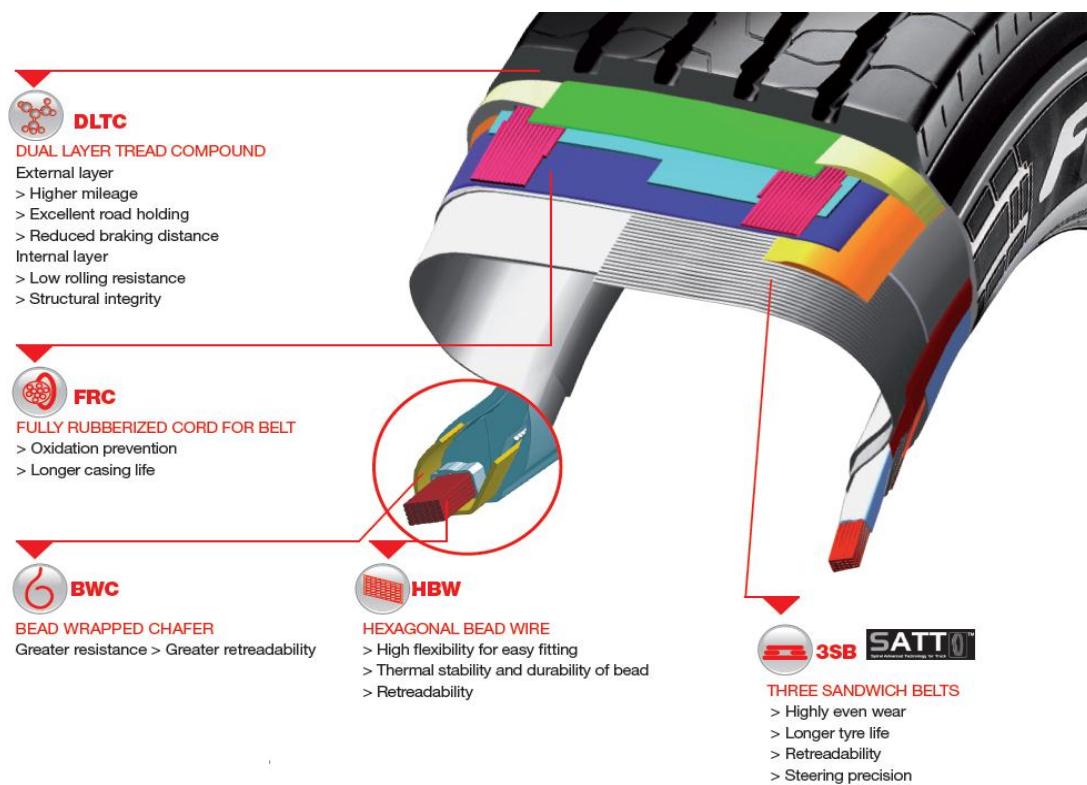
R:01II RANGE, SECOND GENERATION OF TYRES FOR A TOP CLASS PRODUCT

NEW STRUCTURE AND A NEW COMPOUND FOR MORE KILOMETRES BETTER ROADHOLDING IN A WIDER VARIETY OF CONDITIONS

The new R:01II is the result of a continuous process of research, development and improvement. The new tyre has progressed in terms of resistance, durability and performance on different types of surface throughout varied weather conditions.

In this way Pirelli satisfies the needs of fleet managers, who have a constant focus on cost efficiency and diversification of transport and routes.

The latest evolution starts with the structure of the Series:01 as a base; characterised by SATT (Spiral Advanced Technology for Truck), a Hexagonal Bead Wire, Fully Rubberised Cord for belt, and a Dual Layer Tread Compound. The R:01II also has a reinforced bead to offer more resistance and greater ease of rebuilding compared with the previous generation of tyres.



The new formula for the tread compound ensures a longer tyre life, excellent resistance to moderately abrasive surfaces, and better roadholding on both dry as well as wet and slippery conditions: also in winter.

The range includes two tread pattern designs: FR:01II, for steering axles and TR:01II for motorised axles. Sizes available are: 315/70R22.5, 295/80R22.5 and 315/80R22.5.

The FR:01II and TR:01II tread pattern designs have been optimised to reduce noise, micro-skids and wasted energy. The layout of grooves and sipes has also been specifically designed to ensure driving precision and roadholding both in the dry and the wet.

Specifically, the FR:01II tyres have the following characteristics: an increase in the width of the tyre to improve tyre life as well as grip and drivability, optimisation of the groove design in order to enhance the expulsion of road debris, and four zigzag channels with robust longitudinal blocks to reduce braking distances and improve safety. The unique low shoulder design (RSR) is patented by Pirelli, allowing optimal distribution of forces acting on the contact patch, which encourages regular wear and therefore a longer tyre life.

Compared to the previous generation, the new FR:01II guarantees:

- +20% tyre life
- +10% di resistance to tyre tread lacerations
- +10% ease of reconstruction
- +10% roadholding both in the dry and in the wet

The TR:01II tyres are characterised by: a directional design that gives better traction and acoustic comfort, plus deep channels that remain visible and ensure optimal grip right to the end of the tyre's life. There are also lateral grooves of varying depths and sizes, patented by Pirelli, which ensure consistent wear and help to evacuate loose stones and road dirt.

These tyres carry the 3PMSF marking (as well as M+S): a guarantee of good traction even on snowy surfaces.

Compared to the previous generation, the TR:01II ensures:

- +10% tyre life
- +10% ease of rebuilding
- +10% grip on dry and wet surfaces
- +10% traction on snow

All press releases and photographs are available on the following link:

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