

## Goodyear FUELMAX GEN-2

Goodyear FUELMAX GEN-2 is a new range of steer and drive truck tyres, for fleets engaged in inter-regional and long haul operations. Key benefits of the new range are high fuel efficiency combined with enhanced mileage, traction throughout entire tyre life and reduced noise emissions. The new tyres also meet stricter winter tyre legislation as well as contribute to lower CO2 emissions of trucks and support meeting forthcoming challenging CO2 legal requirements.

Goodyear FUELMAX GEN-2 provides the same high level of fuel efficiency as the FUELMAX tyre which it replaces with the additional comparative benefits:

- up to 10% more mileage potential
- 30% all weather capability
- less noise emissions<sup>1</sup>

The FUELMAX GEN-2 will replace the FUELMAX range and complement the FUELMAX PERFORMANCE low rolling resistance range for dedicated long-haul fleets that was launched last year. FUELMAX PERFORMANCE are the first Goodyear truck tyres to feature full silica tread compound technology, achieve EU tyre label grade A for fuel efficiency and fully comply with Three-Peak-Mountain-Snow Flake (3PMSF) winter tyre requirements. This range delivers top-class fuel efficiency to enable long-haul fleets to maximise fuel savings and reduce emissions and assist OEMs in meeting increasingly challenging EU targets for CO2 reduction.

The Goodyear FUELMAX GEN-2 range comprises 9 sizes of the FUELMAX S GEN-2 steer tyre and 7 sizes of the FUELMAX D GEN-2 drive tyre. A 295/80/R22.5 and lower aspect sizes are under development.

### Winter performance



All tyres in the range carry the Three-Peak-Mountain-Snow Flake (3PMSF) marking, demonstrating a performance level compliant with the current stricter winter tyre legislation in European countries.

### Identification and Connectivity



Connectivity for tyre management and tracking systems is integrated in all tyres thanks to radio frequency identification (RFID). By communicating with a cloud network on an individual serial number level, efficient tyre flow management is achieved. RFID is also a deterrent to thieves as these tyres can be traced.

<sup>1</sup> Depending on size and type

<sup>2</sup> Currently under development

<sup>3</sup> Grades are not yet available for the sizes under development



## FUELMAX S GEN-2

### Overview

The FUELMAX S GEN-2 is a steer tyre developed for optimized mileage and enhanced traction in all weather conditions.

### Sizes

295/80R22.5 FUELMAX S GEN-2 HL	154/149M	
315/80R22.5 FUELMAX S GEN-2	156/150L	154/150M
315/70R22.5 FUELMAX S GEN-2 HL	156/150L	
385/65R22.5 FUELMAX S GEN-2	160K	158L
295/60R22.5 FUELMAX S GEN-2	150/147K	149/146L
315/60R22.5 FUELMAX S GEN-2 HL <sup>2</sup>	154/148L	
385/55R22.5 FUELMAX S GEN-2	160K	158L
355/50R22.5 FUELMAX S GEN-2 HL <sup>2</sup>	156K	
375/45R22.5 FUELMAX S GEN-2 <sup>2</sup>	156K	

### Tread design and IntelliMax Rib Technology



FUELMAX S GEN-2 tyres feature two tread designs with 5 ribs or 6 ribs depending on size. The Goodyear tread technology featured in this tyre is IntelliMax Rib Technology with Flexomatic sipes. Stiffer bridges in the centre grooves connect as the tyre rolls through its footprint, creating a stiffer form and limiting wear for precise handling and high mileage.



The Flexomatic sipes also stiffen the blocks as the tyre rotates, ensuring short braking distances throughout tyre life. This gives high mileage combined with fuel-saving low rolling resistance.

Compared to the FUELMAX design, the tread design is more open, with a deeper tread depth. Rubber volume is increased as well as sipe depth for more wearable volume and better wet braking.

The new tread design remains throughout the tread life with blading clearly visible even when the tyre is 75% worn.

<sup>1</sup> Depending on size and type

<sup>2</sup> Currently under development

<sup>3</sup> Grades are not yet available for the sizes under development



### Footprint Pressure



Even footprint pressure distribution ensures regular tread wear and high mileage and the footprint shape of the FUELMAX S GEN-2 remains stable over the full tyre life.

### Tread compound



The tread compound is formulated for fuel saving and high abrasion resistance. Its chemical formulation provides cool running capabilities and strong links in the polymer network give high abrasion resistance. Low rolling resistance combined with excellent treadwear resistance for high mileage potential are further benefits.

### EU Tyre Label Grades

The FUELMAX S GEN-2 steer tyre sizes achieve<sup>3</sup> EU Tyre Label Grades 'B' for Fuel Efficiency, 'B' or 'C' for Wet Grip depending on size, and a single wave for exterior noise level.

<sup>1</sup> Depending on size and type

<sup>2</sup> Currently under development

<sup>3</sup> Grades are not yet available for the sizes under development



## FUELMAX D GEN-2

### Overview

The FUELMAX D GEN-2 is a directional drive tyre developed for high fuel efficiency combined with enhanced mileage, traction throughout the tyre life and reduced noise emissions.

It delivers optimal fuel economy with the added benefits of 10% more mileage potential and a 30% improvement in all-weather capability; in comparison with the previous fuel-efficient FUELMAX generation.

### Size

295/80R22.5 FUELMAX D GEN-2 <sup>2</sup>	152/148M	
315/80R22.5 FUELMAX D GEN-2	156/150L	154/150M
315/70R22.5 FUELMAX D GEN-2	154/150L	152/148M
295/60R22.5 FUELMAX D GEN-2 <sup>2</sup>	150/147K	149/146L
315/60R22.5 FUELMAX D GEN-2	152/148L	
295/55R22.5 FUELMAX D GEN-2 <sup>2</sup>	147/145K	
315/45R22.5 FUELMAX D GEN-2 <sup>2</sup>	147/145L	

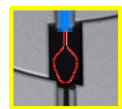
### Tread design and IntelliMax Technology



The FUELMAX D GEN-2 features more siping with a greater depth than the FUELMAX, providing significantly enhanced traction potential throughout the entire tyre life. This means life-long traction in all weather conditions, good wet braking performance and 3PMSF compliance.



For fuel saving low rolling resistance, the tread incorporates IntelliMax Groove Technology. This comprises hidden raindrop shaped centre grooves which close when rolling through the footprint allowing the ribs to support each other and stiffening the tread.



A feature of IntelliMax Groove Technology are 16 tread depth measuring windows which provide openings to the bottom of the IntelliMax grooves allowing full depth visibility and easy measurement at any location around the tyre. This makes tyre wear monitoring faster and more accurate.



Like the steer tyres, the new tread design remains throughout tread life with blading clearly visible even when the tyre is 75% worn.

Large shoulder increases traction and effectively evacuates water and mud.

<sup>1</sup> Depending on size and type

<sup>2</sup> Currently under development

<sup>3</sup> Grades are not yet available for the sizes under development



### Casing



A new design and casing shape, which remains stable over time and load variations, avoids irregular wear and gives high mileage potential. Optimised footprint pressure distribution in a wide range of load conditions is a further benefit and implies a particularly slow wear process.

### Tread compound



As with the steer tyre, the tread compound is formulated for fuel saving and high abrasion resistance. Its chemical formulation provides cool running capabilities and strong links in the polymer network give high abrasion resistance. Low rolling resistance combined with excellent treadwear resistance for high mileage potential are further benefits.

### EU Tyre Label Grades

The FUELMAX D GEN-2 drive tyre sizes achieve<sup>3</sup> EU Tyre Label Grades 'B' for Fuel Efficiency, 'B' or 'C' for Wet Grip depending on size and a single wave for exterior noise level.

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Following information is available on [news.goodyear.eu](https://news.goodyear.eu)

- New KMAX GEN-2 and FUELMAX GEN-2 Truck Tyre Ranges Press Release
- Goodyear Total Mobility Value Proposition Overview

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