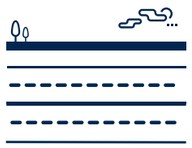
GOODYEAR®

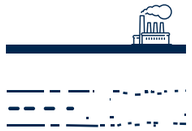


TRUCK TYRE DATABOOK

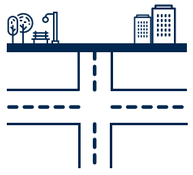
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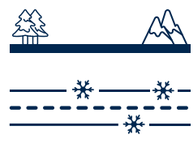
APPLICATION MAP






ON-ROAD FUEL EFFICIENT	ON-ROAD MILEAGE	STANDARD MIXED SERVICE	SERVE MIXED SERVICE
EQMAX	KMAX GEN-3	OMNITRAC	OMNITRAC HEAVY DUTY
EQMAX ULTRA	KMAX GEN-2	OMNITRAC MSS II OMNITRAC MSD II OMNITRAC MST II	
FUELMAX GEN-2	KMAX		
MARATHON LHT	REGIONAL RHS II		
FUELMAX ENDURANCE			



OFFROAD	URBAN	COACH	WINTER
OFFROAD	URBANMAX	MARATHON COACH	ULTRA GRIP MAX
OFFROAD HD	URBANMAX COMMUTER	ULTRA GRIP COACH	ULTRA GRIP WTS/WTT
OFFROAD ORD	URBANMAX MCA/MCS		

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ON-ROAD TYRES

ON-ROAD TYRES



STEER

KMAX S GEN-3

Steer axle tyre uses cap tread compound with silica content to reduce heat generation, rolling resistance & fuel consumption.(1) Containing more than 40% sustainable materials (2) like Rice Husk Ash (RHA) Silica, in the tread and carcass, KMAX S GEN-3 delivers improved fuel efficiency for your fleet.

- **Cap compound with silica content** – A high-abrasion resistant tread compound with silica helps reduce heat generation, rolling resistance, and fuel consumption.(1)
- **More than 40% sustainable materials**(2) – KMAX S GEN-3 contains more than 40% sustainable materials, including RHA silica in the tread and carcass compounds.
- **Rib tread design with optimised sipes** – Optimised siping locations & profiles improve versatility with more biting edges, enhancing wet grip & braking performance throughout the tyre's life.
- **Shoulder groove design with stiffeners and deep grooves** – Stiffener bridges help reduce wear and improve versatility, leading to a better balance between traction, wet grip, and mileage potential.
- **Electric Drive Ready** – Higher load capacity and tread stiffness, coupled with lower rolling resistance, mean just one product is needed for all drivelines (Diesel, Gas, EV, H2).

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	158/150L		B	B	A 71	M+S	
315/70R22.5	156/150L		B	B	A 71	M+S	
315/60R22.5	154/148L		B	B	A 71	M+S	
385/55R22.5	162K	158L	B	B	A 71	M+S	
385/65R22.5	164K	158L	B	B	A 71	M+S	



DRIVE

KMAX D GEN-3

In the drive axle position, KMAX GEN-3 uses a 5-block tread design with V-shaped groove profile and ball bottom siping to create a better balance between mileage and traction. Silica content in the carcass and tread not only adds to the sustainable product content, but also increases fuel efficiency and reduces wear.

- **Cap compound with silica content** – A high-abrasion-resistant tread compound with silica helps reduce heat generation, rolling resistance, and fuel consumption. (1)
- **More than 40% sustainable materials**(2) – contains more than 40% sustainable materials, including RHA Silica in the tread and carcass compounds.
- **5 blocks directional tread with optimised V-shape** – A modified tread pattern and stiffness distribution improve mileage and traction, balance of handling and range..
- **V-shaped groove profile with ball bottom siping** – Improved versatility of tread edges, prolong tyre life and enhance traction potential.
- **Electric Drive Ready** – Higher load capacity and tread stiffness, coupled with lower rolling resistance, mean just one product is needed for all drivelines (Diesel, Gas, EV, H2).

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	156/150L	154/150M	C	B	A 73	M+S	
315/70R22.5	154/150L	152/148M	B	B	A 73	M+S	
315/60R22.5	152/150L		C	B	A 73	M+S	



TRAILER

KMAX T GEN-3

KMAX T GEN-3 combines a new tread compound formulation with deep sipes to lower rolling resistance and increase mileage by up to 10%. Like other axle positions, the KMAX GEN-3 trailer axle position application contains up to 48% sustainable materials(2), like Rice Husk Ash (RHA) in the tread and carcass.

- **New tread compound formulation** – Increased silica content and enhanced tread formulation improve rolling resistance and robustness, leading to up to 10% more mileage.
- **More than 40% sustainable materials**(2) – Containing content like RHA in the tread and carcass compounds, KMAX T GEN-3 uses up to 40% sustainable materials.
- **Deep sipes meet 3PMSF requirements** – Deep sipes create additional biting edges that interlock with the road surface, improving braking distances and wet grip throughout the tyre's life.
- **Optimised rib layout** – Optimised rib layout ensures even contact pressure distribution and shoulder robustness across all tyre sizes.
- **Electric Drive Ready** – Higher load capacity and tread stiffness, coupled with lower rolling resistance, mean just one product is needed for all drivelines (Diesel, Gas, EV, H2).

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
445/65R22.5	169K		B	B	B 72	M+S	
445/45R19.5	160K		B	B	A 71	M+S	
435/50R19.5	160K		B	B	B 72	M+S	
385/65R22.5	164158K		B	B	A 71	M+S	
385/55R22.5	160158K		B	B	B 72	M+S	
275/70R22.5	152/148K	148/145L	B	B	A 71	M+S	

(1) Compared to predecessor, based on internal Goodyear data.

(2) Goodyear defines a sustainable material as bio-based (originating from biological sources); renewable (composed of replenishable biomass); or recycled (reprocessed from reclaimed materials) material as defined in ISO 14021; or one produced using or contributing to other practices designed to promote resource conservation and/or emissions reductions.

ON-ROAD TYRES



STEER

EQMAX S ULTRA

Designed for long haul routes, EQMAX ULTRA steer axle tyre maximises mileage while reducing fuel consumption to the lowest levels yet. An optimised tread compound and deliver better traction and even wear throughout the tyre's life. A strengthened carcass and noise-reducing measures make EQMAX ULTRA S ready for an all-electric future.

- **FULL SILICA TREAD COMPOUND WITH RHA FILLER –** Highly abrasion-resistant silica compound helps increase mileage thanks to reduced heat generation, A-label rolling resistance and decreased fuel consumption.*
- **UP TO 55% SUSTAINABLE MATERIALS** – Features up to 55% sustainable materials including RHA silica in tread and carcass compounds.
- **NEW TREAD DESIGN WITH SHOULDER STIFFENERS** – Stiffener bridges in the shoulder grooves connect as the tyre rolls through the footprint, reducing wear and improving mileage.
- **RIB TREAD DESIGN WITH LARGE SHOULDER GROOVES –** Shoulder grooves create more biting edges for increased traction and improved wet grip throughout the tyre's life.
- **INCREASED WEARABLE RUBBER VOLUME –** Increased tread depth and wearable rubber volume provide more mileage.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	158/150L		A	B	A 70	M+S	
315/70R22.5	158/150L		A	B	A 71	M+S	
315/60R22.5	156/150L		A	A	A 71	M+S	
385/65R22.5	164K	158L	A	B	A 70	M+S	
385/55R22.5	164K	158L	A	A	A 71	M+S	
385/55R22.5	160K	158L	A	B	A 70	M+S	
355/50R22.5	158K		A	B	A 71	M+S	



DRIVE

EQMAX D ULTRA

The EQMAX ULTRA drive axle tyre deploys new compound technology to deliver up to 6% improved rolling resistance* and better traction throughout the tyre's life. Six-rib tread design with additional blades improves wet grip and adds versatility in long haul and motorway applications. A high torque-resistant compound and design ensures readiness for the requirements of electric trucks.

- **FULL SILICA TREAD COMPOUND –** Highly abrasion-resistant silica compound helps increase mileage thanks to reduced heat generation, A-label rolling resistance and decreased fuel consumption.*
- **UP TO 55% SUSTAINABLE MATERIALS** – Features up to 55% sustainable materials including RHA silica in tread and carcass compounds.
- **IMPROVED WET GRIP COMPOUND –** Deep tyre tread ensures water evacuation and optimized wet grip compound, improving versatility in motorway applications.
- **INCREASED WEARABLE RUBBER VOLUME –** Increased tread depth and wearable rubber volume provide more mileage.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	156/150L	154/150M	A	B	A 73	M+S	
315/70R22.5	154/150L	152/148M	A	B	B 74	M+S	
315/60R22.5	154/150L		A	B	A 73	M+S	
295/60R22.5	152/150L		A	B	A 73	M+S	



TRAILER

EQMAX T ULTRA

The new EQMAX ULTRA trailer axle tyre combines a 5-rib tread design with additional sipes and a new casing with increased sidewall flex to maximise mileage capabilities and increase durability. Designed to excel on motorways and in long-haul applications.

- **SILICA TREAD COMPOUND WITH REDUCED ROLLING RESISTANCE –** Silica content tread compound helps reduce heat generation, lower fuel consumption and provide rolling resistance with A-label.
- **UP TO 55% SUSTAINABLE MATERIALS** – Features up to 55% sustainable materials including RHA silica in tread and carcass compounds.
- **NEW CAVITY SHAPE AND CASING WITH EXTRA SIDEWALL FLEX ZONE –** Enhanced distribution of wear patterns and better maintenance of pressure distribution across the crown area under high lateral forces.
- **3PMSF CAPABILITY AND TREAD DESIGN WITH ADDITIONAL BLADES –** A higher number of blades creates enhanced grip and better braking in all weather conditions.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
385/65R22.5	164K	158L	A	C	A 70	M+S	
385/55R22.5	160K	158L	A	C	A 71	M+S	
435/50R19.5	164K		A	C	A 71	M+S	

* Up to 6% improved rolling resistance, and up to 20% better mileage, compared to predecessor.

** EQMAX range featuring up to 55% of sustainable materials.

ON-ROAD TYRES



STEER

EQMAX S

EQMAX steer axle tyre combines an optimised tread compound delivering reduced rolling resistance, higher mileage and better traction on motorways and secondary roads. Rib tread design with additional sipes and an open tread shoulder with deep grooves lead to increased traction, especially on wet surfaces.

- **SILICA TREAD COMPOUND –** A high abrasion-resistant tread compound with silica increases mileage by up to 20% while reducing rolling resistance, heat generation and fuel consumption.*
- **NEW SILICA-BASED CARCASS COMPOUND –** Lower energy generation in carcass helps reduce rolling resistance and increases long-term durability.
- **UP TO 55% SUSTAINABLE MATERIALS** –** Features up to 55% sustainable materials including RHA silica in tread and carcass compounds.
- **RIB TREAD DESIGN WITH ADDITIONAL SIPES –** Additional sipes create more biting edges, improving grip on wet surfaces throughout the tyre's life.
- **SHOULDER GROOVE DESIGN WITH STIFFENERS AND DEEP GROOVES –** Improved versatility and balance between traction, wet grip and high mileage potential.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/60R22.5	150/148L		B	B	A 71	M+S	
315/80R22.5	158/150L		B	B	A 71	M+S	
315/70R22.5	158/150L		B	B	A 71	M+S	
315/60R22.5	154/148L		B	B	B 72	M+S	
385/65R22.5	164K	158L	B	B	A 71	M+S	
385/55R22.5	160K	158L	B	B	A 70	M+S	
355/50R22.5	156K		B	A	A 71	M+S	



DRIVE

EQMAX D

The EQMAX ULTRA drive axle tyre deploys new compound technology to deliver up to 6% improved rolling resistance* and better traction throughout the tyre's life. Six-rib tread design with additional blades improves wet grip and adds versatility in long haul and motorway applications. A high torque-resistant compound and design ensures readiness for the requirements of electric trucks.

- **FULL SILICA TREAD COMPOUND –** Highly abrasion-resistant silica compound helps increase mileage thanks to reduced heat generation, A-label rolling resistance and decreased fuel consumption.*
- **UP TO 55% SUSTAINABLE MATERIALS* –** Features up to 55% sustainable materials including RHA silica in tread and carcass compounds.
- **IMPROVED WET GRIP COMPOUND –** Deep tyre tread ensures water evacuation and optimized wet grip compound, improving versatility in motorway applications.
- **INCREASED WEARABLE RUBBER VOLUME –** Increased tread depth and wearable rubber volume provide more mileage.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/60R22.5	150/148L		B	B	A 73	M+S	
295/55R22.5	147/145K		B	B	A 73	M+S	
315/45R22.5	147/145L		C	B	B 75	M+S	
315/80R22.5	156/150L	154/150M	B	B	B 74	M+S	
315/70R22.5	154/150L	152/148M	B	B	B 75	M+S	
315/60R22.5	152/150L		B	B	A 72	M+S	

* Up to 6% improved rolling resistance, and up to 20% better mileage, compared to predecessor.
** EQMAX range featuring up to 55% of sustainable materials.



STEER

KMAX S GEN-2

KMAX S GEN-2 steer axle tyre features the IntelliMax Rib technology and Flexomatic sipes for excellent traction and short braking distance throughout the tyre's life. It is also 3PMSF-rated with a cool-running abrasion resistant tread compound that provides excellent mileage at high efficiency.

- **PROVEN INTELLIMAX RIB TECHNOLOGY –** Bridges in the centre grooves create a stiffer design, which reduces wear.
- **DEEP "FLEXOMATIC" SIPES –** Wear is also limited by "Flexomatic" sipes, which close as the tyre rolls, locking the tread blocks together.
- **COOL-RUNNING, ABRASION-RESISTANT COMPOUND –** A chemical formulation that ensures low rolling resistance and excellent tread performance.
- **OPTIMISED CASING SHAPE –** Provides a constant and regular footprint for even wear and long tyre life.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/80R22.5	154/149M		C	B	B 74	M+S	
295/60R22.5	150/147K	149/146L	C	B	A 71	M+S	
315/80R22.5	156/150L	154/150M	C	B	A 71	M+S	
315/70R22.5	156/150L		C	B	B 72	M+S	
315/60R22.5	154/148L		C	C	C 74	M+S	
385/65R22.5	160K	158L	B	B	B 70	M+S	
385/55R22.5	160K	158L	B	B	B 71	M+S	
355/50R22.5	156K		C	B	C 71	M+S	



DRIVE

KMAX D GEN-2

For the drive axle, KMAX D GEN-2 features a pattern of deep sipes and grooves for excellent traction throughout the full tyre life. The dual tread compound and regular footprint pressure distribution provide excellent mileage and high fuel efficiency, and make this a tyre that suits a variety of applications and road conditions.

- **HIGH DENSITY AND INCREASED DEPTH OF SIPES AND GROOVES –** 6% longer biting edges that increase traction and mileage.
- **DYNAMIC STONE EJECTING DESIGN –** Grooves open under torque, releasing trapped stones and preventing casing damage.
- **LARGE SHOULDER GROOVES –** Openings in the shoulder ribs evacuate water and mud to improve traction.
- **DUAL-TREAD COMPOUND –** The top compound for abrasion resistance, the base compound for fuel efficiency.
- **REGULAR FOOTPRINT PRESSURE DISTRIBUTION –** Casing provides stable contact pressure over the tyre life to maximise mileage.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/80R22.5	152/148M		D	C	A 72	M+S	
295/55R22.5	147/145K		C	B	A 72	M+S	
315/80R22.5	156/150L	154/150M	D	C	A 72	M+S	
315/70R22.5	154/150L	152/148M	C	B	A 72	M+S	
315/60R22.5	152/148L		D	B	A 73	M+S	

ON-ROAD TYRES



TRAILER

KMAX T GEN-2

KMAX T GEN-2 trailer tyre is designed for excellent mileage under all-season conditions and for various types of roads and applications. It features the 3PMSF marking for full compliance with the latest winter tyre requirements. Deep sipes provide short braking distances and improved wet grip throughout tyre life. The robust tread design results in enhanced damage and wear resistance.

- **OPTIMISED RIB LAYOUT –** Even pressure distribution and shoulder robustness for reduced wear and extended tyre life.
- **DEEP SIPES –** Additional biting edges to create distances and improved wet grip (3PMSF).
- **INTELLIMAX GROOVE BLADE DESIGN –** Teardrop-shaped bottom blade design to avoid groove cracking in high – scrubbing trailer applications.
- **COOL RUNNING ABRASION-RESISTANT COMPOUND –** A chemical formulation that results in low rolling resistance and excellent tread performance.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
385/65R22.5	164K	158L	C	B	B 72	M+S	
425/65R22.5	165K		C	B	A 71	M+S	



STEER

KMAX S

KMAX Steer tire has computer modeled tread profile for optimised tyre pressure distribution, it offers regular wear, high mileage, robustness, good braking on wet and excellent handling which makes it the ideal choice for fleets.

- **IntelliMax Rib Technology –** Thanks to stiffer tread, tire can offer high mileage, good handling and regular wear.
- **Robust, wide shoulders –** helps to improve robustness.
- **Specific blading frequency and geometry –** provide excellent brakig on wet

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
305/70R22.5	153/150L	150/148M	C	B	A 71	M+S	
275/70R22.5	148/145M		C	B	B 72	M+S	
375/45R22.5	156L		B	B	B 73	M+S	



DRIVE

KMAX D / D A

The KMAX Drive tyre offers high mileage potential, high traction performance and low noise emission thanks to optimised tyre pressure distribution, the right number of pitches, the non-skid optimised block geometry and a higher wearable rubber volume.

- **IntelliMax Tread Technology with dual compound layer –** High mileage and low rolling resistance.
- **Optimised block geometries and directional V-shape –** high mileage potential and low noise.
- **3D waffle sipes –** excellent traction.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
305/70R22.5	153/150L	150/148M	D	C	A 71	M+S	
275/70R22.5	148/145M		D	C	A 73	M+S	
KMAX D A – 295/60R22.5	150/147K	149/146L	D	B	A 73	M+S	

ON-ROAD TYRES



STEER

FUELMAX S ENDURANCE

FUELMAX S ENDURANCE is a fuel saving tire for a wider range of routes, with deep sipes for the high traction and wearable rubber volume for durability needed to drive on different roads. It contains also low rolling resistance compound in the tread for high fuel efficiency, which prevents heat building up in the tyre.

- **INTELLIMAX RIB TECHNOLOGY –** Stiffener bridges in the shoulder connect as the tyre rolls. 1 The ribs therefore support each other, giving the tyre more strength and resistance to wear and damage.
- **WEARABLE RUBBER VOLUME AND HIGH NET-TO-GROSS RATIO –** The high tread depth gives more wearable rubber volume and improved traction in all weather conditions throughout the tyre life. A higher net-to-gross ratio creates a larger contact area, which reduces wear and keeps block movements under control.
- **FOOTPRINT PRESSURE DISTRIBUTION –** The tread design increases the homogenous contact surface area ensuring even wear, which promotes higher mileage. Improved belt angle and crown cavity reduce heat generation and rolling resistance.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
375/50R22.5	158K		B	B	B 72	M+S	



DRIVE

FUELMAX D ENDURANCE

FUELMAX D ENDURANCE with innovative tread pattern and stiffened the tyre shoulders in order to deliver the levels of durability needed for different roads. It provied also fuel efficiency thanks to extra curing for the compound.

- **INNOVATIVE TREAD DESIGN –** Directional design improves traction through better water evacuation, while tie bars in the shoulder grooves make the tyre more resistant to wear and damage.
- **SIPES AND GROOVES –** More sipes and grooves create more biting edges for better grip in all seasons and weather conditions (3PMSF). This traction is maintained by 'ball bottom' grooves that open up as the tyre wears.
- **HIGHER SUSTAINABILITY VIA RETREADABILITY –** High-quality casings enable retreading as cost-effective way of extending tyre life, reducing costs and promoting sustainability.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/60R22.5	152/148L		B	B	B 75	M+S	



STEER

FUELMAX S GEN-2

FUELMAX S GEN-2 provides excellent fuel efficiency, It features IntelliMax Rib Technology that offers high mileage and precise steering with deep Flexomatic sipes for wet and winter braking.

- **INTELLIMAX RIB TECHNOLOGY –** Stiffener bridges connect when the tyre rolls, making the tread stiffer and limiting slip, which increases mileage and enhances steering precision.
- **DEEP "FLEXOMATIC" SIPES –** "Flexomatic" sipes close when rolling through the footprint, allowing the tread blocks to interlock and making the tread stiffer. This reduces braking distances and enhances fuel efficiency and mileage.
- **EVEN FOOTPRINT PRESSURE DISTRIBUTION –** Shows exceptionally regular footprint pressure distribution in a wide range of load conditions. This contributes to regular tread wear and high mileage in long-haul applications.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/80R22.5	154/149M		B	C	A 70	M+S	



DRIVE

FUELMAX D GEN-2

The FUELMAX D GEN-2 drive axle tyre offers excellent fuel saving potential through optimised rolling resistance in a well balanced package for inter-regional and long-haul applications. It features excellent traction with improved all-weather capabilities throughout the tyre life.

- **HIGH-DENSITY FULL-DEPTH TREAD SIPING –** Sipes go down to 100% of tread depth for increased biting edges length throughout the tyre life. This provides life-long traction in all road surface conditions and good wet braking performance.
- **INTELLIMAX GROOVE TECHNOLOGY –** When the tyre is half-worn, the hidden raindrop shaped grooves underneath open up and create new structures for additional grip and water drainage in the tyre's late life.
- **LARGE SHOULDER GROOVES –** Openings in the shoulder ribs create biting edges for increased traction and effectively evacuate water and mud. This delivers high traction throughout tyre life.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/80R22.5	152/148M		C	B	A 73	M+S	

ON-ROAD TYRES



TRAILER

MARATHON LHT/LHT+

The Marathon LHT has been developed to support fleet efficiency and reduce cost per km. It features super low rolling resistance combined to improved mileage performance, good braking on wet and low noise emissions. Additional payload through reduced tyre weight is another feature of the marathon trailer tyres.

- **Fuel savings.**
- **Excellent mileage.**
- **Good braking on wet.**
- **Increased payload.**
- **Good durability and retreadability.**

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
11R22.5	148/145J	146/143L	C	B	A 68		
385/55R22.5	160K	158L	B	C	A 70		
435/50R22.5	164J		B	C	A 70	M+S	
MARATHON LHT+ 455/40R22.5	160J		C	C	B 71	M+S	



STEER

REGIONAL RHS II

The regional haul steer generation tyre coping with the demanding requirements of modern regional haul service, dedicated for high mileage and a wide application range. The combination of a specifically developed tread pattern with an innovative high silica content tread compound results in excellent mileage performance, excellent wet braking, even wear and reduced rolling resistance.

- **Wide tread, 5 rib pattern,** groove edge blading, for excellent mileage, even wear and superb handling and stability.
- **High density, flexomatic blading,** flexomatic blading, for outstanding braking on wet surfaces combined with high mileage.
- **Advanced technology, high silica tread compound,** for high mileage combined with reduced rolling resistance, good tear and damage resistance.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
11R22.5	148/145L	146/145M	C	B	B 71		
12R22.5	152/148L		C	B	B 71		
455/40R22.5 (in UK only)	150/147K	152J	C	B	A 70		

ON-ROAD TYRES



STEER

KMAX S GEN-2 17.5"-19.5"

The KMAX S tyre strengthens your fleet with robustness, versatility, handling stability and all-weather capability, keeping your vehicle stable on all types of roads.

- **INTELLIMAX RIB TECHNOLOGY –** Bridges in the center grooves create a stiffer design, reducing wear and providing lateral stability.
- **OPTIMIZED TREAD DESIGN –** Providing higher fuel efficiency.
- **HIGH NET-TO – GROSS RATIO –** High wearable tread volume means high mileage.
- **MULTI-RADIUS SAW TOOTH SHOULDER GROOVES –** Additional edges provide extra grip on wet and slippery roads.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
215/75R17.5	128/126M		C	C	A 71	M+S	
285/70R19.5	146/144L	144/142M	C	C	A 71	M+S	
265/70R19.5	140/138M		C	C	A 71	M+S	
245/70R17.5	136/134M		C	C	A 71	M+S	



DRIVE

KMAX D GEN-2 17.5"-19.5"

The KMAX D tyre combines high mileage, traction and robustness with all-weather capability and versatility. Keep traction on various surfaces, and effortlessly handle high torque. A tyre designed for modern fleets, prepared for a wide range of applications.

- **DIRECTIONAL TREAD PATTERN –** To evacuate water, mud and snow resulting in high traction.
- **OPEN GROOVES AND IN DEPTH SIPES –** Creating additional biting edges to provide more traction thorough the entire life of the tyre.
- **OPTIMIZED TREAD DESIGN –** Providing higher fuel efficiency.
- **PROGRESSIVE CENTRE LINE HUMPS –** Limit block movements and wear for excellent mileage and traction.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
215/75R17.5	128/126M		C	C	A 71	M+S	
285/70R19.5	146/144L	144/142M	C	C	A 72	M+S	
265/70R19.5	140/138M		C	C	A 72	M+S	
245/70R17.5	136/134M		C	C	A 72	M+S	



STEER

KMAX S 17.5"-19.5"

The KMAX S tyre strengthens your fleet with robustness, versatility, handling stability and all-weather capability, keeping your vehicle stable on all types of roads.

- **INTELLIMAX RIB TECHNOLOGY –** Bridges in the center grooves create a stiffer design, reducing wear and providing lateral stability.
- **HIGH NET-TO – GROSS RATIO –** High wearable tread volume means high mileage.
- **MULTI-RADIUS SAW TOOTH SHOULDER GROOVES –** Additional edges provide extra grip on wet and slippery roads.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
225/75R17.5	129/127M		D	B	A 69	M+S	
265/70R17.5	139/136M		C	B	A 71	M+S	
305/70R19.5	148/145M		C	C	A 71	M+S	
205/75R17.5	124/122M		D	B	A 69	M+S	
235/75R17.5	132/130M		D	B	A 69	M+S	
245/70R19.5	136/134M		D	C	A 71	M+S	



DRIVE

KMAX D 17.5"-19.5"

The KMAX D tyre combines high mileage, traction and robustness with all-weather capability and versatility. Keep traction on various surfaces, and effortlessly handle high torque. A tyre designed for modern fleets, prepared for a wide range of applications.

- **DIRECTIONAL TREAD PATTERN –** To evacuate water, mud and snow resulting in high traction.
- **OPEN GROOVES AND IN DEPTH SIPES –** Creating additional biting edges to provide more traction thorough the entire life of the tyre.
- **PROGRESSIVE CENTRE LINE HUMPS –** Limit block movements and wear for excellent mileage and traction.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
245/70R19.5	136/134M		D	C	A 72	M+S	
235/75R17.5	132/130M		D	B	A 71	M+S	
205/75R17.5	124/122M	126/124G	D	C	B 74	M+S	
305/70R19.5	148/145M		C	C	A 72	M+S	
225/75R17.5	129/127M		D	C	A 73	M+S	
265/70R17.5	139/136M		D	B	A 72	M+S	

ON-ROAD TYRES



TRAILER

KMAX T 17.5”-19.5”

The KMAX T 17.5” & 19.5” range is the ideal choice for low platform applications. Its tread design and robust construction offers all season mobility (confirmed by M+S and 3PMSF rating) combined with high mileage and robustness even in demanding low platform usage.

- **4-RIB TREAD DESIGN –** Optimal pressure distribution in the footprint for even wear and high mileage.
- **LONGITUDINAL AND RADIAL SIPES –** Multiple biting edges to provide more grip on wet roads and snow.
- **GROOVE EDGES –** Zig-zag design provides additional gripping edges for improved all-weather mobility.
- **IMPROVED BEAD CONSTRUCTION –** For demanding applications of low-platform trailers.
- **ABRASION-RESISTANT TREAD COMPOUND –** To withstand the high contact stresses typical of low-platform trailers.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
245/70R17.5	143/141J	146F	B	B	A 70	M+S	
245/70R19.5	141/140J		C	B	A 69	M+S	
265/55R19.5	141/140J	142G	C	B	A 71	M+S	
205/65R17.5	132/130J	133G	C	C	A 70	M+S	
215/75R17.5	136/134J		C	B	A 67	M+S	
235/75R17.5	143/141J	144F	C	B	A 69	M+S	
285/70R19.5	150/148J		B	B	A 70	M+S	
265/70R19.5	143/141J		C	B	A 70	M+S	



MIXED SERVICE

MIXED SERVICE



STEER

OMNITRAC STEER

A mixed service steer-axle tyre designed to offer smooth on-road driving without sacrificing off-road traction and durability. Omnitrac Steer offers high mileage, improved grip and even wear performance.

- **ROBUST 4 – OR 5-RIB DESIGN –** Improves durability and ground pressure distribution for high mileage and even wear performance.
- **SIPED TREAD BLOCKS AND ZIG-ZAG GROOVES –** For double the amount of biting edges and extra grip, resulting in improved traction.
- **QUICK RELEASE GROOVE SHAPES WITH STONE PENETRATION PROTECTORS –** Reduces stone holding and offers efficient protection against stone drilling and groove cracking for improved casing durability and high mileage.
- **COOL RUNNING CAP AND BASE COMPOUND –** Offers high mileage and increased retreadability performance.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
13R22.5	156/150K		C	B	A 71	M+S	
295/80R22.5	152/148K		D	B	A 71	M+S	
315/80R22.5	156/150K		D	B	B 73	M+S	
315/70R22.5	156/150K		D	B	B 73	M+S	
385/65R22.5	164K	158L	C	B	B 73	M+S	
325/95R24	162/160K		C	B	B 72	M+S	



DRIVE

OMNITRAC DRIVE

Drive-axle tyre with high damage resistance and lifelong traction, even with occasional excursions to off-road conditions.

- **DIRECTIONAL 3-RIB TREAD DESIGN WITH SIPED BLOCKS –** Double the number of biting edges for high traction and even wear on all surfaces.
- **MASSIVE CENTRE RIB WITH TIE BARS –** Offers high damage resistance and even wear in abrasive road conditions.
- **WIDE OPEN SHOULDER GROOVES WITH STONE PENETRATION PROTECTORS –** Excellent mud drainage and stone rejection for high traction throughout the full tyre life.
- **COOL RUNNING ABRASION RESISTANT CAP AND BASE TREAD COMPOUND –** Increased undertreat gauge & tear resistant cap compound for high mileage and casing durability.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
13R22.5	156/150K		D	B	B 75	M+S	
295/80R22.5	152/148K		D	B	B 75	M+S	
315/80R22.5	156/150K		D	B	B 75	M+S	
315/70R22.5	154/150K		D	C	B 76	M+S	



TRAILER

OMNITRAC TRAILER

A trailer tyre that provides even wear and increased mileage potential combined with high durability and retreadability.

- **WIDE TREAD WITH MULTI-RADIUS CAVITY –** High wearable rubber volume and even distribution of ground pressure for reduced tread wear.
- **MASSIVE CENTRELINE RIBS –** Robust centre blocks designed to withstand high torque and rough surfaces provide stability and excellent damage resistance.
- **ZIG-ZAG CENTRELINE GROOVE AND OFF-SET BLOCK EDGE –** Increased groove length and lateral structures give additional biting edges for improved braking performance and wet grip with 3PMSF marking.
- **STONE EJECTORS COMBINED WITH DUAL GROOVE ANGLES –** Reduce stone holding and drilling, resulting in self-cleaning capabilities combined with high durability and retreadability.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
385/65R22.5	164K	158L	C	B	B 72	M+S	

MIXED SERVICE



STEER

OMNITRAC S HEAVY DUTY

A steer axle tyre designed to cope with the demanding requirements of severe mixed service application.

- **4-RIB DESIGN –** A robust tread design with massive shoulder ribs that resist even the most demanding mixed service applications makes for high mileage and even wear performance.
- **QUICK RELEASE' GROOVE SHAPE AND CENTRELINE STONE EJECTORS –** The tread movements make sure that trapped stones are quickly released, preventing them from reaching the groove bottom. This means the tyres suffer less punctures, have high casing durability and are self-cleaning, providing good traction in all terrains.
- **HIGHLY CHIP AND CHUNK RESISTANT TREAD COMPOUND –** Thanks to a new tread design and increased undertread rubber gauge, the tyres resist chipping and chunking throughout their life phases. This provides high mileage and improved retreadability through higher casing protection.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
12R22.5	152/14K		C	B	A 71	M+S	
13R22.5	158/156K		B	B	B 72	M+S	
315/80R22.5	156/150K	158/156J	C	B	B 73	M+S	
325/95R24	162/160K		C	B	A 71	M+S	



DRIVE

OMNITRAC D HEAVY DUTY

A self-cleaning drive axle tyre designed to withstand severe on – and off-road conditions.

- **DIRECTIONAL TREAD DESIGN WITH SIPED BLOCKS –** The tread design means the tyre remains self-cleaning throughout its life and provides traction on all surfaces and in all weather conditions.
- **ROBUST CENTRELINE DESIGN –** Provides traction and protects the tyre's centre area, resulting in even wear and high mileage potential.
- **WIDE OPEN SHOULDER GROOVES AND BLOCK DESIGN –** Provides more edges and ejects stones and mud quickly, helping maintain high traction throughout tyre life in off-road conditions and strong resistance to stone damage under torque.
- **HIGH CHIP AND CHUNK RESISTANCE TREAD COMPOUND –** Provides high mileage and improved retreadability through a new thread compound featuring increased undertread rubber.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
12R22.5	152/148K		D	B	B 74	M+S	
13R22.5	158/156K		D	B	B 75	M+S	
315/80R22.5	156/150K	158/156J	D	B	B 74	M+S	
325/95R24	162/160K		D	B	B 76	M+S	



STEER

OMNITRAC MSS / MSS II

OMNITRAC MSS II brings great mixed-service steer-axle performance to off-road applications of all kinds. Offers excellent mileage, traction and damage resistance.

- **WIDE TREAD –** For improved mileage potential.
- **MASSIVE SHOULDER RIBS –** Greater stability and damage resistance.
- **BLOCK PITCH SEQUENCING –** For reduced noise levels.
- **STONE PENETRATION PROTECTORS WITH DOUBLE-GROOVE ANGLE –** High resistance to stone damage and better self-cleaning.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
OMNITRAC MSS 11R22.5	148/145K		D	B	A 70	M+S	
OMNITRAC MSS 375/90R22.5	164G		C	B	A 71	M+S	
OMNITRAC MSS 445/75R22.5	170J		C	B	B 72	M+S	
12.00R20	154/150K		C	B	B 71	M+S	
275/70R22.5	148/145K		D	B	B 72	M+S	
265/70R19.5	143/141J	140/138L	D	B	A 71	M+S	



DRIVE

OMNITRAC MSD II

OMNITRAC MSD II brings great mixed-service drive-axle performance to off-road applications of all kinds. Offers excellent mileage, traction and damage resistance.

- **WIDE TREAD –** For improved mileage potential.
- **MASSIVE CENTRELINE RIB –** Reduces centreline wear.
- **OPEN SHOULDER-EDGE GROOVES –** For improved self-cleaning.
- **TOUGH CARCASS CONSTRUCTION –** Enhances durability, damage resistance and retreadability.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
12.00R20	154/150K		E	B	A 73	M+S	
385/55R22.5	160K		C	B	B 73	M+S	
495/45R22.5	169K		C	C	B 76	M+S	

MIXED SERVICE



TRAILER

OMNITRAC MST II

OMNITRAC MST II brings great mixed-service trailer-axle performance to off-road applications of all kinds. Offers excellent mileage, traction and damage resistance.

- **OPTIMISED CARCASS CONSTRUCTION –** Enhances durability, damage resistance and retreadability.
- **WIDE TREAD PATTERN –** Promotes high mileage, good handling and even wear.
- **MASSIVE CENTRELINE RIB –** Greater stability and damage resistance.
- **STONE PENETRATION PROTECTORS WITH DOUBLE GROOVE ANGLE –** For better stone drilling resistance and better groove self-cleaning.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
445/65R22.5	169K		B	B	B 71	M+S	

OFFROAD



ALL

OFFROAD / OFFROAD HD

Tough, reliable and made to tackle the most severe conditions. OFFROAD tyre is perfect for withstanding the high speeds of military and emergency applications. With low heat- generation, this tyre can get you where you're going fast, without compromising on reliability.

- **REINFORCED BEAD AREA –** Less flexing and lower heat generation under high stress. Meets requirements for higher certification inflation pressure, higher tonnage trucks and increased workload.
- **DAMAGE-RESISTANT COMPOUND –** Compound is highly resistant to cuts and cracks caused by external influences or severe terrains, with high tolerance against overload and constant stress. The tread compound of the OFFROAD version is designed to minimise heat generation in high speed applications.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
14.00R20	164/161K	166/160G	--	--	--	M+S	
14.00R20 HD	164/161J	166/161G	--	--	--	M+S	
375/90R22.5	164G		--	--	--	M+S	



ALL

OFFROAD ORD

A design specifically made for mining and tough construction site vehicles, operating in severe service conditions where excellent traction, mobility, robustness and damage resistance are the main requirements.

- **DEEP TREAD –** Good off-road mud traction and high mileage.
- **OFF-ROAD TREAD COMPOUND –** Highly resistant to cutting and tearing.
- **DEEP, WIDE SHOULDER GROOVES –** Self-cleaning tyre that avoids stone-holding, resulting in increased traction and longer tyre life.
- **MASSIVE BLOCKS –** Improved torque transmission and highly tear resistant.
- **ROBUST BEAD CONSTRUCTION –** Extremely durable bead that results in high retreadability.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
13R22.5	156/150G	154/150J	--	--	--	M+S	
325/95R24	162/160G		--	--	--	M+S	
365/85R20	164J		--	--	--	M+S	



URBAN



ALL

URBANMAX

Urbanmax tyres are designed for the challenges of modern city streets, including long life-protection and electric vehicle requirements. They are 3PMSF-labelled, provide excellent mileage and are fully regroovable and retreadable.

- **FULL SILICA TREAD COMPOUND –** Lower rolling resistance(1) and running temperature, 40% higher mileage(1), and increased traction in the wet (label 'B') thanks to full silica tread compound technology.
- **ELECTRIC DRIVE READY –** Designed for diesel, hybrid, or electric vehicles, one product covers all drivelines. Featuring higher load capacity(2) and higher tread stiffness for increased engine torque.
- **REINFORCED SIDEWALL WITH WEAR INDICATORS –** Enhanced sidewall durability provides life-extending protection for tires(1) used in urban environments, with intuitive wear indicators for ease of use.
- **NEW TREAD DESIGN –** 4 ribs tread design with wide tread, additional sipes, deep grooves with stiffeners, and reinforced sidewalls. 40% more mileage & better handling in the wet(1).

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
275/70R22.5	152/150J		B	B	A 71	M+S	
455/45R22.5 (only in EU)	166J		C	B	A 75	M+S	



ALL

URBANMAX COMMUTER

A steer and all-position bus tyre with reinforced sidewalls, designed for intercity and commuter traffic, connecting urban and rural destinations.

- **REINFORCED SIDEWALLS WITH WEAR INDICATORS –** longer-lasting tyres resistant to wear and kerb damage.
- **INTELLIMAX' GROOVES WITH STIFFENERS –** reduced tread wear combined with good traction and stability.
- **DEEP ,FLEXOMATIC' SIPES –** short braking distances throughout tyre life. High mileage, 3PMSF capability, low rolling resistance.
- **COOL RUNNING/HIGH ABRASION RESISTANT TREAD COMPOUND –** High mileage and fuel efficiency
- **ELECTRIC DRIVE READY –** Enhanced tyre load capacity. Improved fuel efficiency for maximised range and battery life.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/80R22.5	156/149L		C	C	B 74	M+S	

(1) In comparison to predecessor.
(2) Based on internal Goodyear data, replacing MCA HL+ with one more load index for heavier dual applications.



ALL



URBANMAX MCA / MCS

A steer and all-position bus tyre with reinforced sidewalls and high mileage potential, designed for urban use such as metropolitan bus services.

- **WIDE 5-RIB TREAD PATTERN –** promotes high mileage and good handling.
- **FLEXOMATIC BLADING ON CENTRE RIBS –** promotes high mileage, good performance in wet and snow.
- **ENHANCED CENTRE RIB –** high-amplitude centreline rib for improved traction, all-position capability.
- **REINFORCED SIDEWALLS –** with wear indicators for trouble-free tyre life.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
URBANMAX MCA 265/70R19.5	140/138L		D	C	A 70	M+S	
URBANMAX MCA 315/60R22.5	152/148J		C	C	B 72	M+S	
URBANMAX MCS 305/70R22.5	153/150K	154/150E	D	C	B 72	M+S	



COACH

COACH



ALL

MARATHON COACH

An all-position coach tyre, predominantly for inter-regional and long-distance routes, offering excellent mileage. Designed to provide high-mileage value and fuel economy to coach service operators and a low-noise, comfortable ride to passengers.

- **SOLID SHOULDER RIBS –** Resistance to high lateral forces caused by a high centre of gravity and intensive cornering.
- **ASYMMETRIC DESIGN –** Dedicated pattern for coach applications with strong outside shoulder ribs for high resistance to irregular wear.
- **HIGH DENSITY OF EDGE SIPES –** Additional biting edges providing high traction and braking performance throughout the life of the tyre.
- **STONE PENETRATION PROTECTORS –** For better stone penetration resistance and improved self-cleaning.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	158/150L		B	B	A 71	M+S	
295/80R22.5	156/150M		B	B	A 71	M+S	



STEER

ULTRA GRIP COACH

Specific high blade density winter traction drive tyre for long haul and intercity coaches. Decoupled blocks and high tear resistance compound lead to a combination of mileage performance and snow traction.

- **High grip/traction on snowy/icy road.**
- **Extended mileage.**
- **Even wear profile.**
- **Road handling & lateral stability.**
- **Stone damage & cut resistances.**
- **Robust shoulder rib.**

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
295/80R22.5	154/149M		D	C	A 72	M+S	
315/80R22.5	156/150L	154/150M	D	C	A 73	M+S	



WINTER

WINTER TYRES



STEER

ULTRA GRIP MAX S

A steer tyre designed to brave the cold. Stay stable through icy corners, maintain grip on snowy roads and stay safe throughout winter.

- **INTELLIMAX BLOCK TECHNOLOGY –** Strong braking performance on winter roads thanks to the large number of biting edges that interlock with every road surface.
- **LARGE, DEEP LONGITUDINAL GROOVES –** Large grooves maintain longitudinal biting edges throughout the tyre's life. Lateral grip gives excellent cornering stability on snow and ice.
- **INTELLIMAX EDGE TECHNOLOGY & LARGE Z-SHAPED RADIAL GROOVES –** The high number of biting edges result in excellent braking performance on slippery road conditions.
- **LARGE INTERCONNECTED SHOULDER BLOCKS –** High mileage potential thanks to the robust shoulder area.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	156/150L	154/150M	C	B	B 72	M+S	
295/80R22.5	154/149L		D	B	B 72	M+S	
315/70R22.5	156/150L		C	B	B 73	M+S	
385/65R22.5	164K	158L	C	B	B 74	M+S	
315/60R22.5	154/148L		C	C	B 73	M+S	
295/60R22.5	150/147K	149/146L	C	B	B 72	M+S	
385/55R22.5	160K	158L	C	B	B 74	M+S	



DRIVE

ULTRA GRIP MAX D

Drive tyre designed to last through the winter. Maintain traction on snow and ice even when 50% worn.

- **DIRECTIONAL DESIGN –** Large V-shaped grooves effectively displace slush; multi-directional edges provide high traction and grip on snow and ice.
- **RAINDROP CHANNELS –** Channels open as the tyre wears, creating new tractice structures. This also helps limit stress peaks at the bottom of the sipes for improved performance and excellent retreadability.
- **INTELLIMAX EDGE TECHNOLOGY –** Lasting winter traction thanks to tapered, stepped groove angles that give a high number of biting edges.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
315/80R22.5	156/150L	154/150M	E	B	B 74	M+S	
295/80R22.5	152/148M		E	C	A 73	M+S	
315/70R22.5	154/150L	152/148M	E	C	B 74	M+S	
315/60R22.5	152/148L		D	C	B 74	M+S	
295/60R22.5	150/147K	149/146L	D	C	A 73	M+S	



TRAILER

ULTRA GRIP MAX T

A trailer tyre designed to provide excellent lateral stability and snow grip.

- **ROBUST SHOULDER RIBS –** Improved scrub resistance when turning for better casing protection and increased mileage potential.
- **FIVE ZIG-ZAG GROOVES AND INTERCONNECTED CENTRE BLOCKS –** Stable continuous centre ribs limit block movement and offer good lateral stability and even wear.
- **S-SHAPED SIPES IN CENTRE BLOCKS –** High number of biting edges provide good grip op slippery surfaces for excellent braking capabilities on winter roads.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
385/65R22.5	164K	158L	C	B	B 73	M+S	
385/55R22.5	160K	158L	C	B	B 73	M+S	

WINTER TYRES



STEER

ULTRAGRIP WTS / WTT

- 5-rib sophisticated tread design specifically engineered for regular wear & improved traction.
- Strong and optimized carcass construction designed to provide limited deformation during life cycles. This ensures excellent durability and high mileage.
- Optimized Tread Arc Width and fine tuning of the cavity shape to improve regular wear and maximize mileage capabilities on the steer axle.
- Cool running tread compound for high mileage in extreme hot climates & reduced heat generation.

Tyre Size	SPEED/LOAD INDEX 1	SPEED/LOAD INDEX 2				M&S	Snowflake
UG WTS 355/50R22.5	154K	152L	D	B	A 74	M+S	
UG WTT 265/70R19.5	143/141J		D	B	B 72	M+S	

TECHNICAL DATA

TRUCKS, TRACTORS, BUSES AND COACHES

Rim	SIZE	Load index Speed Symbol	Goodyear Design	Overall Diameter (mm)[1]	Overall Section Width (mm)[1]	Static Loaded Radius (mm)[1]	Rolling Circumf. (mm)[1]	Nominal pressure [bar]	Nominal pressure [PSI]	Max single axle load [kg]	Max dual axle load [kg]	Rim width [inch]
17.5"	**9.5 R 17.5**	129/127M	REGIONAL RHS II	847	241	392	2585	7.50	109	3700	7000	**6.00-6.75**
		129/127M	REGIONAL RHD II	855	237	400	2585					
	205/75 R 17.5	124/122M	KMAX S	758	210	355	2310	7.50	109	3200 (3400)	6000 (6400)	**5.25-6.75**
		124/122M (126/124G)	KMAX D	760	209	356	2305					
	215/75R17.5	128/126M	KMAX S GEN-2	770	215	358	2348	7.50	109	3600	6800	**6.00-6.75**
		128/126M	KMAX D GEN-2	772	214	358	2348					
	225/75 R 17.5	129/127M	KMAX S	787	232	367	2393	7.25	105	3700	7000	**6.00-6.75**
		129/127M	KMAX D	790	232	368	2390					
	235/75 R 17.5	132/130M	KMAX S	806	236	376	2448	7.75	112	4000	7600	**6.75-7.50**
		132/130M	KMAX D	807	236	377	2449					
	245/70 R 17.5	136/134M	KMAX S GEN-2	787	254	365	2426	8.50	123	4480	8480	**6.75-7.50**
		136/134M	KMAX D GEN-2	792	255	368	2426					
	265/70 R 17.5	139/136M	KMAX S	816	256	378	2488	8.00	116	4860	8960	**6.75-7.50**
		139/136M	KMAX D	818	256	379	2481					
	245/70 R 19.5	136/134M	KMAX S	836	242	389	2555	8.25	120	4480	8480	**6.75-7.50**
		136/134M	KMAX D	837	241	390	2555					
	265/70 R 19.5	140/138M	KMAX S GEN-2	867	264	402	2651	7.75	112	5000	9440	**6.75-8.25**
		143/141J (140/138L)	OMNITRAC MSS II	871	271	405	2677	8.50	123	5450 (5000)	10300 (9440)	
		140/138L	URBNAMAX MCA	873	271	406	2665	7.75	112	5000	9440	
		140/138M	KMAX D GEN-2	867	265	402	2648	7.75	112	5000	9440	
	285/70 R 19.5	146/144L (144/142M)	KMAX S GEN-2	888	279	412	2724	9.00	131	6000 (5600)	11200 (10600)	**7.50-9.00**
		146/144L (144/142M)	KMAX D GEN-2	891	280	412	2731					
	305/70 R 19.5	148/145M	KMAX S	921	297	425	2812	8.50	123	6300	11600	**8.25-9.00**
		148/145M	KMAX D	926	295	433	2823					
	12.00 R 20	154/150K	OMNITRAC MSS II	1126	313	526	3437	8.50	123	7500	13400	**7.50-9.00**
		154/150K	OMNITRAC MSD II	1133	313	530	3458					
	14.00 R 20	164/161K (166/160G)	OFFROAD	1258	377	573	3840	7.90	115	10000 (10600)	18500 (18000)	**9.00-10.00**
		164/161J (166/161G)	OFFROAD HD	1258	377	573	3840	7.90	115	10000 (10600)	18500 (18500)	
20"	**365/85 R 20**	164J	OFFROAD ORD	1124	358	511	3465	8.00	116	10000	--	**10.00**
22.5"	**11 R 22.5**	148/145L (146/145M)	REGIONAL RHS II	1058	274	492	3230	8.50	123	6300 (6000)	11600 (11600)	**7.50-8.25**
		148/145K	OMNITRAC MSS	1059	274	492	3233	8.50	123	6300	11600	
	12 R 22.5	152/148K	OMNITRAC S HEAVY DUTY	1086	289	505	3324	8.50	123	7100	12600	**8.25-9.00**
		152/148K	OMNITRAC D HEAVY DUTY	1086	288	506	3318					
		152/148L	REGIONAL RHS II	1083	296	502	3306					

			Minimum inflation pressure [bar] / [PSI]															
Load index	„Fitment S=single D=dual"	Max. Speed [km/h]	5.00 73	5.50 80	6.00 87	6.25 91	6.50 94	6.75 98	7.00 102	7.25 105	7.50 109	7.75 112	7.90 115	8.00 116	8.25 120	8.50 123	8.75 127	9.00 131
129	S	130	2680	2890	3100	3200	3300	3410	3500	3600	**3700**							
127	D	130	5060	5460	5860	6050	6240	6440	6620	6810	**7000**							
124	S	130	2310	2500	2680	2770	2850	2950	3030	3110	**3200**							
122	D	130	4340	4680	5020	5190	5350	5520	5680	5840	**6000**							
126	S (single point)	90									**3400**							
124	D (single point)	90									**6400**							
128	S	130	2600	2810	3010	3110	3210	3310	3410	3500	**3600**							
126	D	130	4920	5310	5690	5880	6060	6250	6430	6620	**6800**							
126	S	130	2600	2800	3000	3110	3200	3300	3400									
124	D	130	4890	5280	5650	5850	6030	6220	6400									
129	S	130	2750	2970	3180	3290	3390	3500	3600	**3700**								
127	D	130	5200	5610	6020	6220	6410	6620	6810	**7000**								
132	S	130	2820	3040	3260	3370	3470	3590	3690	3790	3900	4000		4270	4370	**4480**		
130	D	130	5350	5780	6190	6400	6600	6810	7010	7210	7400	7600		8080	8280	**8480**		
136	S	130	2930	3160	3390	3510	3610	3730	3840	3940	4050	4160		4270	4370	**4480**		
134	D	130	5550	5990	6420	6640	6840	7060	7260	7470	7670	7880		8080	8280	**8480**		
139	S	130	3340	3600	3860	3990	4120	4250	4370	4490	4620	4740		4860	**4480**			
136	D	130	6150	6640	7120	7360	7590	7830	8050	8280	8510	8740		8960	**8480**			
136	S	130	3000	3240	3470	3590	3700	3820	3930	4040	4150	4260		4370	**4480**			
134	D	130	5680	6130	6570	6800	7010	7230	7440	7650	7860	8070		8270	**8480**			
143	S	100	3560	3850	4120	4270	4400	4540	4670	4800	4930	5060		5190	5320	**5450**		
141	D	100	6740	7270	7800	8060	8310	8570	8820	9070	9320	9570		9810	10060	**10300**		
140	S (single point)	120	3520	3800	4070	4210	4340	4480	4610	4740	4870	5000						
138	D (single point)	120	6650	7170	7690	7950	8200	8460	8700	8950	9200	9440						
140	S	130																
138	D	130																
146	S	120	3750	4050	4340	4490	4620	4770	4910	5050	5190	5320		5460	5600	5730	5870	**6000**
144	D	120	7000	7550	8100	8370	8630	8900	9160	9420	9680	9940		10190	10450	10700	10950	**11200**
144	S (single point)	130																**5600**
142	D (single point)	130																**10600**
148	S	130	4120	4450	4770	4930	5080	5240	5390	5550	5700	5850		6000	6150	**6300**		
145	D	130	7590	8190	8780	9080	9360	9650	9930	10210	10490	10770		11050	11330	**11600**		
148	S	130	4120	4450	4770	4930	5080	5240	5390	5550	5700	5850		6000	6150	**6300**		
145	D	130	7590	8190	8780	9080	9360	9650	9930	10210	10490	10770		11050	11330	**11600**		
164	S	110	6940	7490	8030	8290	8560	8820	9080	9340	9590	9850	**10000**					
161	D	110	12830	13850	14850	15340	15830	16310	16800	17270	17750	18220	**18500**					
166	S (single point)	90											**10600**					
160	D (single point)	90											**18000**					
164	S	100	6940	7480	8020	8290	8560	8820	9080	9340	9590	9850	**10000**					
161	D	100	12830	13850	14850	15340	15830	16310	16790	17270	17750	18220	**18500**					
166	S (single point)	90											**10600**					
161	D (single point)	90											**18500**					
164	S	100	6870	7410	7940	8210	8470	8730	8990	9240	9500	9750		**10000**				
148	S	120	4120	4450	4770	4930	5080	5240	5390	5550	5700	5850		6000	6150	**6300**		
145	D	120	7590	8190	8780	9080	9360	9650	9930	10210	10490	10770		11050	11330	**11600**		
146	S	130														**6000**		
145	D	130														**11600**		
148	S	100	4120	4450	4770	4930	5080	5240	5390	5550	5700	5850		6000	6150	**6300**		
145	D	100	7590	8190	8780	9080	9360	9650	9930	10210	10490	10770		11050	11330	**11600**		
146	S (single point)	120														**6000**		
143	D (single point)	120														**10900**		
152	S	120	4640	5010	5370	5550	5730	5900	6080	6250	6420	6590		6760	6930	**7100**		
149	D	120	8500	9180	9840	10170	10490	10810	11130	11450	11760	12070		12380	12690	**13000**		
152	S	120	4640	5010	5270	5560	5730	5910	6080	6250	6420	6590		6760	6930	**7100**		
148	D	120	8240	8890	9540	9860	10170	10480	10790	11090	11400	11700		12000	12300	**12600**		

TRUCKS, TRACTORS, BUSES AND COACHES

22.5"

Rim	SIZE	Load index Speed Symbol	Goodyear Design	Overall Diameter (mm)[1]	Overall Section Width (mm)[1]	Static Loaded Radius (mm)[1]	Rolling Circumf. (mm)[1]	Nominal pressure [bar]	Nominal pressure [PSI]	Max single axle load [kg]	Max dual axle load [kg]	Rim width [inch]
	13 R 22.5	156/150K	OMNITRAC D	1132	315	530	3447	8.75	127	8000	13400	
		158/156K	OMNITRAC S HEAVY DUTY	1124	309	522	3445	9.00	131	8500	16000	
		156/150K	OMNITRAC S	1126	315	527	3447	8.75	127	8000	13400	**9.00-9.75**
		156/150G (154/150J)	OFFROAD ORD	1140	319	533	3480	8.75	127	8000 (7330)	13400 (13400)	
		158/156K	OMNITRAC D HEAVY DUTY	1125	309	523	3435	9.00	131	8500	16000	
	275/70 R 22.5	148/145J (152/148E)	ULTRA GRIP WTD CITY	977	268	458	2982					
		148/145M	KMAX D	974	276	456	2970	9.00	131	6300 (7100)	11600 (12600)	
		148/145J (152/148E)	ULTRA GRIP WTS CITY	979	271	459	2988					**7.50-8.25**
		148/145K	OMNITRAC MSS II	973	275	455	2970					
		152/150J	URBANMAX	973	276	452	2982	9.00	131	7100	13000	
		148/145M	KMAX S	967	276	452	2965	9.00	131	6300	11600	
	295/55 R 22.5	147/145K	EQMAX D	891	289	414	2736	9.00	131	6150	11600	**9.00-9.75**
		147/145K	KMAX D GEN-2	892	291	415	2733					
	295/60 R 22.5	150/148L	EQMAX S	926	291	431	2854				--	
		150/147K (152J)	REGIONAL RHS II	under preparation				9.00	131	6700 (7100)	12300	
		150/147K (149/146L)	KMAX D A	935	291	433	2888	9.00	131	6700 (6500)	12300 (12000)	
		150/147K (149/146L)	KMAX S GEN-2	927	285	432	2841	9.00	131	6700 (6500)	12300 (12000)	**9.00-9.75**
		150/147K (149/146L)	ULTRAGRIP MAX D	937	289	431	2845	9.00	131	6700 (6500)	12300 (12000)	
		152/150L	EQMAX D ULTRA	925	292	427	2831	9.00	131	7100	13400	
		150/148L	EQMAX D	932	291	435	2852				--	
		150/147K (149/146L)	ULTRAGRIP MAX S	929	289	427	2841	9.00	131	6700 (6500)	12300 (12000)	
	295/80 R 22.5	154/149M	ULTRA GRIP COACH	1061	306	492	3239	8.50	123	7500	13000	
		152/148M	FUELMAX D GEN-2	1052	303	491	3211	8.50	123	7100	12600	
		156/149M	MARATHON COACH	under preparation				8.50	123	7500	13000	
		156/150M	MARATHON COACH	under preparation							--	
		154/149L	ULTRAGRIP MAX S	1058	305	488	3212	8.50	123	7500	13000	
		156/149L	URBANMAX COMMUTER	1052	305	487	3213	8.50	123	7500	13000	
		152/148M	KMAX D GEN-2	1060	302	494	3224	8.50	123	7100	12600	**8.25-9.00**
		154/149M	KMAX S GEN-2	1057	302	491	3217	8.50	123	7500	13000	
		152/148K	OMNITRAC D	1058	308	494	3232	8.50	123	7100	12600	
		154/149M	MARATHON COACH	1050	307	486	3205	8.50	123	7500	13000	
		154/149M	FUELMAX S GEN-2	1045	303	486	3200	8.50	123	7500	13000	
		152/148M	ULTRAGRIP MAX D	1060	305	494	3200	8.50	123	7100	12600	
		152/148K	OMNITRAC S	1053	309	491	3231	8.50	123	7100	12600	
	305/70 R 22.5	153/150L (150/148M)	KMAX D	1002	297	467	3058	9.00	131	7300 (6700)	13400 (12600)	
		153/150K (154/150E)	URBAN MCS*	1008	301	462	3077	9.00	131	7300 (7500)	13400 (13400)	**8.25-9.00**
		153/150L (150/148M)	KMAX S	996	297	465	3062	9.00	131	7300 (6700)	13400 (12600)	
	315/45 R 22.5	147/145L	ETRTO	856	307			9.00	131	6150	11600	**9.00-9.75**
		147/145L	EQMAX D	852	305	398	2627	9.00	131	6150	11600	**9.00-9.75**

Load index	„Fitment S=single D=dual"	Max. Speed [km/h]	Minimum inflation pressure [bar] / [PSI] 5.00 73	5.50 80	6.00 87	6.25 91	6.50 94	6.75 98	7.00 102	7.25 105	7.50 109	7.75 112	7.90 115	8.00 116	8.25 120	8.50 123	8.75 127	9.00 131
158	S	110	5310	5730	6150	6350	6550	6750	6950	7150	7350	7540		7740	7930	8120	8310	**8500**
156	D	110	10000	10790	11570	11950	12330	12710	13090	13460	13830	14200		14560	14920	15280	15640	**16000**
156	S	90	5110	5520	5920	6120	6310	6510	6690	6880	7070	7260		7450	7630	7820	**8000**	
150	D	90	8560	9240	9910	10240	10560	10890	11210	11530	11850	12160		12470	12780	13090	**13400**	
154	S(single point)	100															**7330**	
150	D (single point)	100															**13400**	
152	S	100	4440	4790	5130	5300	5470	5640	5810	5970	6140	6300		6460	6620	6780	6940	**7100**
150	D	100	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
152	S	100	4440	4790	5130	5310	5470	5650	5810	5970	6140	6300		6460	6620	6780	6940	**7100**
149	D	100	8120	8770	9400	9710	10020	10330	10630	10940	11240	11540		11830	12130	12420	12710	**13000**
150	S	100	4190	4520	4840	5000	5160	5320	5480	5640	5790	5940		6100	6250	6400	6550	**6700**
148	D	100	7880	8500	9100	9420	9720	10020	10300	10600	10880	11180		11460	11760	12040	12320	**12600**
152	S (single point)	70																**7100**
148	D (single point)	70																**12600**
150	S	100	4190	4520	4840	5000	5160	5320	5480	5640	5790	5940		6100	6250	6400	6550	**6700**
154	D	100	7250	7820	8390	8670	8940	9220	9490	9760	10030	10290		10560	10820	11080	11340	**11600**
148	S	100	3940	4250	4550	4710	4860	5010	5150	5300	5440	5590		5730	5880	6020	6160	**6300**
145	D	100	7250	7820	8390	8670	8940	9220	9490	9760	10030	10290		10560	10820	11080	11340	**11600**
152	S (single point)	70																**7100**
147	S	110	3840	4150	4450	4590	4740	4885	5030	5175	5315	5460		5600	5735	5875	6010	**6150**
145	D	110	7250	7820	8390	8660	8940	9230	9490	9760	10030	10290		10560	10820	11080	11340	**11600**
152	S	120	4440	4790	5130	5310	5470	5650	5810	5970	6140	6300		6460	6620	6780	6940	**7100**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
150	S	110	4190	4520	4840	5010	5160	5320	5480	5640	5790	5940		6100	6250	6400	6550	**6700**
147	D	110	7690	8290	8890	9190	9480	9780	10060	10350	10630	10910		11190	11470	11750	12030	**12300**
149	S (single point)	120																**6500**
146	D (single point)	120																**12000**
150	S	110	4190	4520	4840	5000	5160	5320	5480	5640	5790	5940		6100	6250	6400	6550	**6700**
147	D	110	7690	8290	8890	9190	9480	9770	10060	10350	10630	10910		11190	11470	11750	12030	**12300**
152	S (single point)	100																**7100**
150	S	120	4190	4520	4840	5000	5160	5320	5480	5640	5790	5940		6100	6250	6400	6550	**6700**
148	D	120	7870	8500	9110	9410	9710	10010	10310	10600	10890	11180		11470	11750	12040	12320	**12600**
156	S	120	5230	5650	6050	6260	6460	6650	6850	7040	7240	7430		7620	7810	**8000**		
149	D	120	8500	9180	9840	10170	10490	10820	11130	11450	11760	12070		12380	12690	**13000**		
154	S	130	4910	5290	5680	5870	6050	6240	6420	6600	6790	6970		7140	7320	**7500**		
149	D	130	8500	9180	9840	10170	10490	10820	11130	11450	11760	12070		12380	12690	**13000**		
152	S	120	4640	5010	5370	5560	5730	5910	6080	6250	6420	6590		6760	6930	**7100**		
148	D	120	8240	8890	9540	9860	10170	10480	10790	11090	11400	11700		12000	12300	**12600**		
152	S	100	4640	5010	5370	5560	5730	5910	6080	6250	6420	6590		6760	6930	**7100**		
148	D	100	8240	8890	9540	9860	10170	10480	10790	11090	11400	11700		12000	12300	**12600**		
154	S (single point)	70														**7500**		
150	D (single point)	70														**13400**		
153	S	120	4560	4920	5280	5460	5630	5800	5970	6140	6310	6480		6640	6810	6970	7140	**7300**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
150	S (single point)	130																**6700**
148	D (single point)	130																**12600**
153	S	100	4560	4920	5280	5460	5630	5800	5970	6140	6310	6480		6640	6810	6970	7140	**7300**
150	D	100	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
154	S (single point)	70																**7500**
150	D (single point)	70																**13400**
147	S	120	3840	4150	4450	4590	4740	4885	5030	5175	5315	5460		5600	5735	5875	6010	**6150**
145	D	120	7250	7820	8390	8660	8940	9230	9490	9760	10030	10290		10560	10820	11080	11340	**11600**

TRUCKS, TRACTORS, BUSES AND COACHES

22.5"

Rim	SIZE	Load index Speed Symbol	Goodyear Design	Overall Diameter (mm)[1]	Overall Section Width (mm)[1]	Static Loaded Radius (mm)[1]	Rolling Circumf. (mm)[1]	Nominal pressure [bar]	Nominal pressure [PSI]	Max single axle load [kg]	Max dual axle load [kg]	Rim width [inch]
	315/60 R 22.5	154/148L	ULTRAGRIP MAX S	957	307	440	2936					
		152/148L	KMAX D GEN-2	965	307	450	2949	9.00	131	7500	12600	
		154/148L	EQMAX S	958	308	443	2960					
		156/150L	EQMAX S ULTRA	956	309	440	2946	9.00	131	8000	13400	
		152/150L	KMAX D GEN-3	965	308	449	2958	9.00	131	7100	13400	
		154/148L	KMAX S GEN-2	954	310	442	2936					**9.00-9.75**
		152/148J	URBANMAX MCA	963	316	446	2918	9.00	131	7100	12600	
		152/148L	ULTRAGRIP MAX D	966	308	444	2939					
		154/148L	KMAX S GEN-3	964	310	447	2972					
		152/150L	EQMAX D	959	306	446	2941	9.00	131	7100	13400	
		154/150L	EQMAX D ULTRA	956	308	444	2933	9.00	131	7500	13400	
	315/70 R 22.5	154/150L (152/148M)	KMAX D GEN-3	1015	312	472	3101	9.00	131	7500 (7100)	13400 (12600)	
		154/150L (152/148M)	EQMAX D ULTRA	1009	312	472	3087	**9.00**	131	7500 (7100)	13400 (12600)	
		154/150L (152/148M)	ULTRAGRIP MAX D	1018	312	469	3090	9.00	131	7500 (7100)	13400 (12600)	
		156/150L	KMAX S GEN-3	1012	314	468	3139	9.00	131	8000	13400	
		156/150K	OMNITRAC S	1015	310	467	3118	9.00	131	8000	13400	
		158/150L	EQMAX S ULTRA	1002	312	469	3081	9.00	131	8500	13400	**9.00-9.75**
		158/150L	EQMAX S	1007	311	468	3096	9.00	131	8500	13400	
		154/150K	OMNITRAC D	1024	310	475	3121	9.00	131	7500	13400	
		154/150L (152/148M)	KMAX D GEN-2	1016	314	472	3095	9.00	131	7500 (7100)	13400 (12600)	
		156/150L	KMAX S GEN-2	1015	314	470	3103	9.00	131	8000	13400	
		154/150L (152/148M)	EQMAX D	1015	311	471	3091	9.00	131	7500 (7100)	13400 (12600)	
		156/150L	ULTRAGRIP MAX S	1014	314	468	3092	9.00	131	8000	13400	
	315/80 R 22.5	156/150L (154/150M)	KMAX D GEN-2	1089	315	505	3298	8.50	123	8000 (7500)	13400 (13400)	
		156/150L (154/150M)	MARATHON COACH	1081	315	500	3300					
		156/150K (158/156J)	OMNITRAC S HEAVY DUTY	1089	310	502	3325	8.50	123	8000 (8500)	13400 (16000)	
		158/150L	EQMAX S	1075	314	500	3301	9.00, 8.50	131, 123	8500	13400	
		156/150L (154/150M)	EQMAX D	1079	311	500	3285	8.50	123	8000 (7500)	13400 (13400)	
		156/150K	OMNITRAC D	1092	314	508	3325	8.50	123	8000	13400	
		156/150L (154/150M)	ULTRAGRIP MAX D	1090	314	496	3289	8.50	123	8000 (7500)	13400 (13400)	
		156/150L (154/150M)	EQMAX D ULTRA	1073	315	499	3279	8.50	123	8000 (7500)	13400 (13400)	
		158/150L	KMAX S GEN-3	1082	314	503	3324	9.00, 8.50	131, 123	8500	13400	**9.00-9.75**
		156/150L (154/150M)	ULTRAGRIP MAX S	1086	314	495	3300	8.50	123	8000 (7500)	13400 (13400)	
		158/150L	MARATHON COACH	1078	312	500	3312	9.00, 8.50	131, 123	8500	13400	
		156/150K (158/156J)	OMNITRAC D HEAVY DUTY	1087	313	504	3319	8.50	123	8000 (8500)	13400 (16000)	
		156/150L (154/150M)	KMAX D GEN-3	1087	313	506	3307	8.50	123	8000 (7500)	13400 (13400)	
		156/150K	OMNITRAC S	1086	314	503	3322	8.50	123	8000	13400	
		156/150L (154/150M)	KMAX S GEN-2	1084	313	502	3298	8.50	123	8000 (7500)	13400 (13400)	
		158/150L	EQMAX S ULTRA	1072	313	500	3289	9.00, 8.50	131, 123	8500	13400	
		156/150L (154/150M)	ULTRA GRIP COACH	1093	314	506	3336	8.50	123	8000 (7500)	13400 (13400)	

Load index	„Fitment S=single D=dual"	Max. Speed [km/h]	Minimum inflation pressure [bar] / [PSI] 5.00 73	5.50 80	6.00 87	6.25 91	6.50 94	6.75 98	7.00 102	7.25 105	7.50 109	7.75 112	7.90 115	8.00 116	8.25 120	8.50 123	8.75 127	9.00 131
156	S	120	5000	5390	5780	5980	6170	6360	6540	6730	6910	7100		7280	7460	7640	7820	**8000**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
154	S	120	4690	5060	5420	5600	5780	5960	6130	6310	6480	6650		6830	7000	7160	7330	**7500**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
154	S	120	4690	5060	5420	5600	5780	5960	6130	6310	6480	6650		6830	7000	7160	7330	**7500**
148	D	120	7870	8500	9110	9420	9710	10010	10310	10600	10890	11180		11470	11750	12040	12320	**12600**
152	S	120	4440	4790	5130	5300	5470	5640	5810	5970	6140	6300		6460	6620	6780	6940	**7100**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
152	S	120	4440	4790	5130	5310	5470	5650	5810	5970	6140	6300		6460	6620	6780	6940	**7100**
148	D	120	7870	8500	9110	9420	9710	10010	10310	10600	10890	11180		11470	11750	12040	12320	**12600**
158	S	120	5310	5730	6150	6350	6550	6750	6950	7150	7350	7540		7740	7930	8120	8310	**8500**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
156	S	120	5000	5390	5780	5980	6170	6360	6540	6730	6910	7100		7280	7460	7640	7820	**8000**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
154	S	120	4690	5060	5420	5610	5780	5960	6130	6310	6480	6650		6830	7000	7160	7330	**7500**
150	D	120	8370	9040	9690	10010	10330	10650	10960	11270	11580	11890		12200	12500	12800	13100	**13400**
152	S (single point)	130																**7100**
148	D (single point)	130																**12600**
158	S	120	5310	5730	6150	6350	6550	6750	6950	7150	7350	7540		7740	7930	8120	8310	**8500**
150	D	120	8760	9460	10140	10480	10810	11140	11470	11800	12120	12450		12770	13080	**13400**		
156	S	120	5230	5650	6050	6260	6450	6660	6850	7040	7240	7430		7620	7810	**8000**		
150	D	120	8760	9460	10140	10480	10810	11150	11470	11800	12120	12450		12770	13080	**13400**		
154	S (single point)	130														**7500**		
150	D (single point)	130														**13400**		
156	S	110	5230	5650	6050	6260	6450	6660	6850	7040	7240	7430		7620	7810	**8000**		
150	D	110	8760	9460	10140	10480	10810	11150	11470	11800	12120	12450		12770	13080	**13400**		
158	S (single point)	100														**8500**		
156	D (single point)	100														**16000**		

TRUCKS, TRACTORS, BUSES AND COACHES

Rim	SIZE	Load index Speed Symbol	Goodyear Design	Overall Diameter (mm)[1]	Overall Section Width (mm)[1]	Static Loaded Radius (mm)[1]	Rolling Circumf. (mm)[1]	Nominal pressure [bar]	Nominal pressure [PSI]	Max single axle load [kg]	Max dual axle load [kg]	Rim width [inch]
22.5"	**355/50 R 22.5**	156K (152L)	ETRTO	928	361	435	2812	9.00	131	8000 (7100)	--	**11.75**
		154K (152L)						9.00	131	7500 (7100)	--	
		158K									--	
		158K	EQMAX S ULTRA	923	357	427	2850				--	
		156K	EQMAX S	928	356	430	2867	9.00	131	8000	--	**11.75**
		154K (152L)	ULTRA GRIP WTS	935	359	433	2833	9.00	131	7500 (7100)	--	
		156K	KMAX S GEN-2	930	357	430	2868	9.00	131	8000	--	
	375/45 R 22.5	156L	ETRTO	910	372			9.00	131	8000	--	**11.75-12.25**
		156L	KMAX S	910	361	420	2670	9.00	131	8000	--	
	375/50 R 22.5	158K	FUELMAX S ENDURANCE	950	369	443	2922	9.00	131	8500	--	**11.75-12.25**
	375/90 R 22.5	164G	OFFROAD	1262	392	580	3852	7.50	109	10000	--	**10.50-11.75**
		164G	OMNITRAC MSS	1244	376	571	3797					
	385/55 R 22.5	160K	OMNITRAC MSD II	996	386	457	3018	9.00	131	9000	--	**11.75-12.25**
		160K (158L)	EQMAX S	993	381	460	3066	9.00	131	9000 (8500)	--	
		160K (158L)	KMAX S GEN-2	993	384	456	3048	9.00	131	9000 (8500)	--	
		160K (158L)	ULTRAGRIP MAX S	997	383	459	3050	9.00	131	9000 (8500)	--	
		164K (158L)	EQMAX S ULTRA	995	386	456	3974				--	
		162K (158L)	KMAX S GEN-3	1002	385	463	3097	9.00	131	9500 (8500)	--	
	385/65 R 22.5	164K (158L)	ULTRAGRIP MAX S	1079	382	496	3285					
		164K (158L)	EQMAX S ULTRA	1063	381	494	3266					
		164K (158L)	EQMAX S	1069	381	495	3287	9.00	131	10000 (8500)	--	**11.75-12.25**
		164K (158L)	OMNITRAC S	1077	376	495	3303					
		164K (158L)	KMAX S GEN-3	1073	381	495	3298					
	445/75 R 22.5	170J	OMNITRAC MSS	under preparation				8.00	116	12000	--	**13.00-14.00**
	455/45 R 22.5	166J	URBANMAX	985	450	449	2985	9.00	131	10600	--	**14.00-15.00**
	495/45 R 22.5	169K	OMNITRAC MSD II	1020	502	466	3091	9.00	131	11600	--	**16.00-17.00**
24"	**325/95 R 24**	162/160K	OMNITRAC S	1222	318	566	3736	8.50	123	9500	18000	**8.50-10.00**
		162/160K	OMNITRAC S HEAVY DUTY	1221	314	567	3781					
		162/160K	OMNITRAC D HEAVY DUTY	1235	314	571	3785					
		162/160G	OFFROAD ORD	1233	319	571	3764	8.50	123	9500	18000	**8.50-10.00**

Load index	„Fitment S=single D=dual"	Max. Speed [km/h]	Minimum inflation pressure [bar] / [PSI] 5.00 73	5.50 80	6.00 87	6.25 91	6.50 94	6.75 98	7.00 102	7.25 105	7.50 109	7.75 112	7.90 115	8.00 116	8.25 120	8.50 123	8.75 127	9.00 131
156	S	110	5000	5390	5780	5980	6170	6360	6540	6730	6910	7100		7280	7460	7640	7820	**8000**
152	S single point	120																**7100**
154	S	110	4690	5060	5420	5600	5780	5960	6130	6310	6480	6650		6830	7000	7160	7330	**7500**
152	S single point	120																**7100**
158	S	110	5310	5730	6150	6350	6550	6750	6950	7150	7350	7540		7740	7930	8120	8310	**8500**
156	S	120	5020	5400	5780	5980	6170	6360	6540	6730	6910	7100		7280	7460	7640	7820	**8000**
158	S	110	5310	5730	6150	6350	6550	6750	6950	7150	7350	7540		7740	7930	8120	8310	**8500**
156	S	110	5000	5390	5780	5980	6170	6360	6540	6730	6910	7100		7280	7460	7640	7820	**8000**
164	S	90	7230	7800	8370	8650	8920	9200	9460	9730	10000							
162	S (single point)	110	5940	6410	6870	7100	7320	7550	7770	7990	8210	8430		8650	8860	9080	9290	**9500**
158	S	120																**8500**
160	S	110	5620	6070	6510	6720	6940	7150	7360	7570	7780	7990		8190	8390	8600	8800	**9000**
158	S (single point)	120																**8500**
164	S	110	6250	6740	7230	7470	7710	7940	8180	8410	8640	8870		9100	9330	9550	9780	**10000**
158	S (single point)	120																**8500**
164	S	110	6250	6740	7230	7470	7710	7950	8180	8410	8640	8870		9100	9330	9550	9780	**10000**
158	S (single point)	120																**8500**
160	S	110	5620	6070	6510	6730	6940	7150	7360	7570	7780	7990		8190	8390	8600	8800	**9000**
158	S (single point)	120																**8500**
170	S	100	8240	8890	9530	9850	10160	10480	10780	11090	11400	11700		**12000**				
166	S	100	6620	7150	7660	7920	8170	8430	8670	8920	9160	9400		9650	9890	10130	10360	**10600**
169	S	110	7250	7820	8390	8670	8940	9220	9490	9760	10030	10290		10560	10820	11080	11340	**11600**
162	S	110	6210	6710	7190	7430	7670	7910	8130	8360	8590	8820		9050	9280	**9500**		
160	D	110	11770	12710	13620	14070	14520	14970	15410	15850	16280	16720		17150	17580	**18000**		

TRAILERS & SEMITRAILERS

Rim	SIZE	Load index Speed Symbol	Goodyear Design	Overall Diameter (mm)[1]	Overall Section Width (mm)[1]	Static Loaded Radius (mm)[1]	Rolling Circumf. (mm)[1]	Nominal pressure [bar]	Nominal pressure [PSI]	Max single axle load [kg]	Max dual axle load [kg]	Rim width [inch]
17.5"	**215/75 R 17.5**	136/134J	KMAX T	769	215	355	2350	9.00	131	4480	8480	**6.00-6.75**
	235/75 R 17.5	143/141J (144/144F)	KMAX T	801	237	368	2450	8.75 (9.00)	127 (131)	5450 (5600)	10300 (11200)	**6.75-7.50**
	245/70 R 17.5	143/141J (146/146F)	KMAX T	793	256	365	2428	8.75 (9.00)	127 (131)	5450 (6000)	10300 (12000)	**6.75-7.50**
	205/65 R 17.5	132/130J (133/133G)	KMAX T	715	208	334	2199	9.00	131	4000 (4120)	7600 (8240)	**6.00-6.75**
19.5"	**245/70 R 19.5**	141/140J	KMAX T	848	252	389	2589	8.50	123	5150	10000	**6.75-7.50**
	265/70 R 19.5	143/141J	KMAX T	866	266	400	2643	8.50	123	5450	10300	**6.75-8.25**
		143/141J	ULTRAGRIP WTT	876	266	405	2674	8.50	123	5450	10300	
	285/70 R 19.5	150/148J	KMAX T	892	289	410	2723	9.00	131	6700	12600	**8.25-9.00**
	265/55 R 19.5	141/140J (142/142G)	KMAX T	792	271	366	2436	9.00	131	5150 (5300)	10000 (10600)	**8.25**
	435/50 R 19.5	160K	KMAX T	925	427	423	2803	9.00	131	9000	--	**14.00-15.00**
		164K	EQMAX T ULTRA	920	430	424	2834				--	
	445/45 R 19.5	160K	KMAX T GEN-3	889	434	406	2760	9.00	131	9000	--	**14.00-15.00**
22.5"	**11 R 22.5**	148/145J (146/143L)	MARATHON LHT	1054	275	492	3217	8.50	123	6300 (6000)	11600 (10900)	**7.50-8.25**
	275/70 R 22.5	152/148K (148/145L)	KMAX T GEN-3	961	275	448	2969	9.00	131	7100 (6300)	12600 (11600)	**7.50-8.25**
	385/55 R 22.5	160K (158L)	MARATHON LHT					9.00	131	9000 (8500)	--	**11.75-12.25**
		160K (158L)	ULTRAGRIP MAX T	995	386	457	3015	9.00	131	9000 (8500)	--	
		160K (158L)	EQMAX T ULTRA	995	378	459	3064	9.00	131	9000 (8500)	--	
		160K (158L)	KMAX T GEN-3	1002	377	462	3094	9.00	131	9000 (8500)	--	
	385/65 R 22.5	164K (158L)	ETRTO	1103	405	--	--	9.00	131	10000 (8500)	--	**11.75-12.25**
		164K (158L)	UKTRAGRIP MAX T	1078	382	493	3290	9.00	131	10000 (8500)	--	**11.75-12.25**
		164K (158L)	OMNITRAC T	1085	387	504	3288	9.00	131	10000 (8500)		
		164K (158L)	KMAX T GEN-2	1085	388	499	3320	9.00	131	10000 (8500)		

			Minimum inflation pressure [bar] / [PSI]														
Load index	„Fitment S=single D=dual"	Max. Speed [km/h]	5.00 73	5.50 80	6.00 87	6.25 91	6.50 94	6.75 98	7.00 102	7.25 105	7.50 109	7.75 112	8.00 116	8.25 120	8.50 123	8.75 127	9.00 131
136	S	100	2800	3020	3240	3350	3450	3560	3660	3770	3870	3970	4080	4180	4280	4380	**4480**
134	D	100	5400	5720	6130	6330	6540	6740	6940	7130	**7330**	7520	7720	7910	8100	8290	**8480**
143	S	100	3480	3760	4030	4160	4300	4430	4560	4690	4820	4950	5070	5200	5330	5450	
141	D	100	6580	7100	7620	7870	8120	8370	8620	8860	9100	9350	9590	9830	10060	10300	
144	S (single point)	80															**5600**
144	D (single point)	80															**11200**
143	S	100	3480	3760	4030	4160	4300	4430	4560	4690	4820	4950	5070	5200	5330	5450	
141	D	100	6580	7100	7620	7870	8120	8370	8620	8860	9100	9350	9590	9830	10060	10300	
146	S (single point)	80															**6000**
146	D (single point)	80															**12000**
132	S	100	2500	2700	2890	2990	3080	3180	3270	3360	3460	3550	3640	3730	3820	3910	**4000**
130	D	100	4750	5130	5490	5680	5860	6040	6220	6390	6570	6740	6920	7090	7260	7430	**7600**
133	S (single point)	90															**4120**
133	D (single point)	90															**8240**
141	S	100	3670	3900	4120	4230	4340	4450	4550	4650	4750	4850	4960	5060	**5150**		
140	D	100	7130	7580	8000	8220	8430	8640	8830	9040	9230	9430	9630	9820	**10000**		
143	S	100	3560	3850	4120	4270	4400	4540	4670	4800	4930	5060	5190	5320	**5450**		
141	D	100	6740	7270	7800	8060	8310	8570	8820	9070	9320	9570	9810	10060	**10300**		
150	S	100	4190	4520	4840	5010	5160	5330	5480	5640	5790	5940	6100	6250	6400	6560	**6700**
148	D	100	7870	8500	9110	9420	9710	10010	10310	10600	10890	11180	11470	11750	12040	12320	**12600**
141	S	100	3220	3470	3720	3850	3970	4100	4210	4330	4450	4570	4690	4800	4920	5040	**5150**
140	D	100	6250	6740	7230	7470	7710	7950	8180	8410	8640	8870	9100	9330	9550	9780	**10000**
142	S (single point)	90															**5300**
142	D (single point)	90															**10600**
160	S	110	6250	6740	7230	7470	7710	7950	8180	8410	8640	8870	9100	9330	9550	9780	**10000**
160	S	110	5620	6070	6510	6730	6940	7150	7360	7570	7780	7990	8190	8390	8600	8800	**9000**
160	S	110	5620	6070	6510	6730	6940	7150	7360	7570	7780	7990	8190	8390	8600	8800	**9000**
148	S	100	4120	4450	4770	4930	5080	5240	5390	5550	5700	5850	6000	6150	**6300**		
145	D	100	7590	8190	8780	9080	9360	9650	9930	10210	10490	10770	11050	11330	**11600**		
146	S (single point)	120													**6000**		
143	D (single point)	120													**10900**		
152	S	110	4440	4790	5130	5310	5470	5650	5810	5970	6140	6300	6460	6620	6780	6940	**7100**
148	D	110	7870	8500	9110	9420	9710	10010	10310	10600	10890	11180	11470	11750	12040	12320	**12600**
148	S (single point)	120															**6300**
145	D (single point)	120															**11600**
160	S	110	5620	6070	6510	6730	6940	7150	7360	7570	7780	7990	8190	8390	8600	8800	**9000**
158	S (single point)	120															**8500**
164	S	110	6250	6740	7230	7470	7710	7950	8180	8410	8640	8870	9100	9330	9550	9780	**10000**
158	S (single point)	120															**8500**
160	S	110	5620	6070	6510	6730	6940	7150	7360	7570	7780	7990	8190	8390	8600	8800	**9000**
158	S (single point)	120															**8500**

Rim	SIZE	Load index Speed Symbol	Goodyear Design	Overall Diameter (mm)[1]	Overall Section Width (mm)[1]	Static Loaded Radius (mm)[1]	Rolling Circumf. (mm)[1]	Nominal pressure [bar]	Nominal pressure [PSI]	Max single axle load [kg]	Max dual axle load [kg]	Rim width [inch]
22.5	**385/65 R 22.5**	164K (158L)	EQMAX T ULTRA	1070	385	495	3287	9.00	131	10000 (8500)	--	**11.75-12.25**
		164K (158L)	KMAX T GEN-3	1082	389	500	3330	9.00	131	10000 (8500)		
	425/65 R 22.5	165K	KMAX T GEN-2	1127	415	517	3453	8.25	120	10300	--	**12.25-13.00-14.00**
	435/50 R 22.5	164J	MARATHON LHT	1003	434	464	3110	9.00	131	10000	--	**14.00-15.00**
	445/65 R 22.5	169K	OMNITRAC MST II	1159	434	530	3512	9.00	1311	11600	--	**13.00-14.00**
		169K	KMAX T GEN-3	1157	433	530	3560	9.00	1311	11600	--	
	455/40 R 22.5	160J	MARATHON LHT+	930	436	436	2836	9.00	131	9000	--	**15.00-16.00**

Load index	„Fitment S=single D=dual"	Max. Speed [km/h]	Minimum inflation pressure [bar] / [PSI] 5.00 73	5.50 80	6.00 87	6.25 91	6.50 94	6.75 98	7.00 102	7.25 105	7.50 109	7.75 112	8.00 116	8.25 120	8.50 123	8.75 127	9.00 131
164	S	110	6250	6740	7230	7470	7710	7950	8180	8410	8640	8870	9100	9330	9550	9780	**10000**
158	S (single point)	120															
160	S	110	5620	6070	6510	6730	6940	7150	7360	7570	7780	7990	8190	8390	8600	8800	**8500**
158	S (single point)	120															**9000**
																	8500
165	S	110	6900	7450	7980	8250	8510	8770	9030	9290	9540	9800	10050	**10300**			
164	S	100	6250	6750	7230	7470	7710	7950	8180	8420	8650	8880	9110	9330	9560	9780	**10000**
169	S	110	7250	7820	8390	8670	8940	9220	9490	9760	10030	10290	10560	10820	11080	11340	**11600**
160	S	100	5630	6070	6510	6730	6940	7150	7370	7580	7780	7990	8200	8400	8600	8800	**9000**

1. Technical data presented in this catalogue are subject to modifications and errors. Goodyer follows applicable industry standards, like ETRTO. Goodyear tire dimensions measured using the measuring rim. For any tyre design not listed or in preparation, please use the ETRTO data.

Pressure Conversion

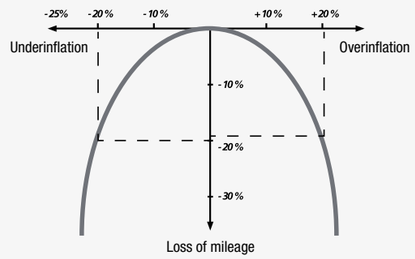
kPa	bar	psi lbf/in^2	kgf/cm^2
100	1	15	1
150	1.5	22	1.5
200	2	29	2
250	2.5	36	2.6
300	3	44	3.1
350	3.5	51	3.6
400	4	58	4.1
450	4.5	65	4.6
500	5	73	5.1
550	5.5	80	5.6
600	6	87	6.1
650	6.5	94	6.6
700	7	102	7.1
750	7.5	109	7.7
800	8	116	8.2
850	8.5	123	8.7
900	9	131	9.2
950	9.5	138	9.7
1000	10	145	10.2
1050	10.5	152	10.7

Speed symbol

SI	km/h	SI	km/h
A1	5	K	110
A2	10	L	120
A3	15	M	130
A4	20	N	140
A5	25	P	150
A6	30	Q	160
A7	35	R	170
A8	40	S	180
B	50	T	190
C	60	U	200
D	65	H	210
E	70	V	240
F	80	W	<270
G	90	Z	>240
J	100	Y	⩽300

Recommendations

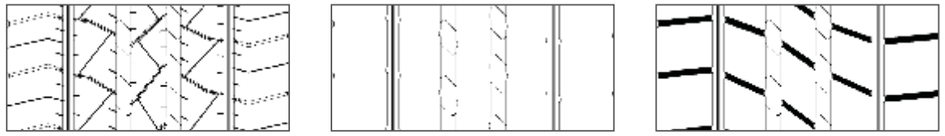
- Tyres should be inflated to the pressures indicated in the tables in relation to the actual axle loads.
- Tyre inflation pressure to be checked at least on a bi-weekly basis.
- Pressure checks to be done on "cold" tyres.
- An increase in inflation pressure during service is normal and shall not be adjusted.



REGROOVING RECOMMENDATIONS FOR GOODYEAR TRUCK TYRES

New tyre tread | 80% worn | Regrooved tyre

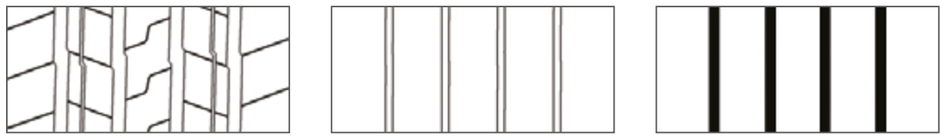
KMAX S 22.5” — ⇩ 3 mm ⇔ 6 mm



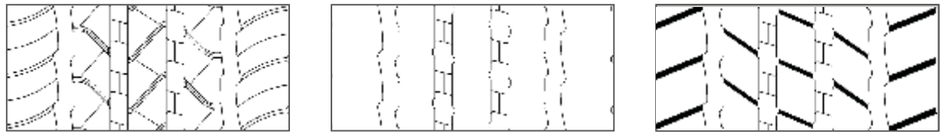
KMAX D 22.5” — ⇩ 3 mm ⇔ 6-8 mm



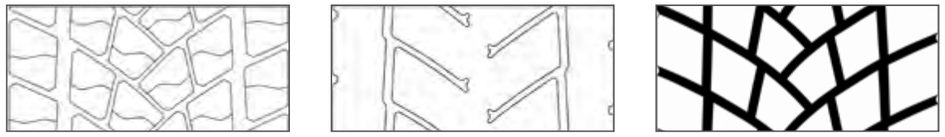
KMAX T GEN-2 — ⇩ 3 mm ⇔ 6-8 mm



KMAX S GEN-2 17.5” and 19.5” — ⇩ 3 mm ⇔ 6-8 mm



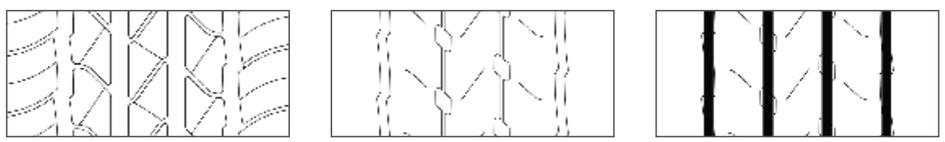
KMAX D GEN-2 17.5” and 19.5” — ⇩ 3 mm ⇔ 6-8 mm



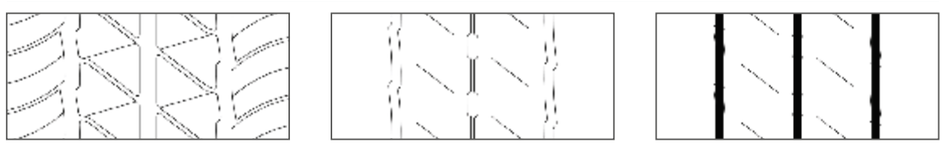
KMAX T 19.5” and 22.5” — ⇩ 3 mm ⇔ 6-8 mm



KMAX S 17.5” and 19.5” 5-rib — ⇩ 3 mm ⇔ 6 mm

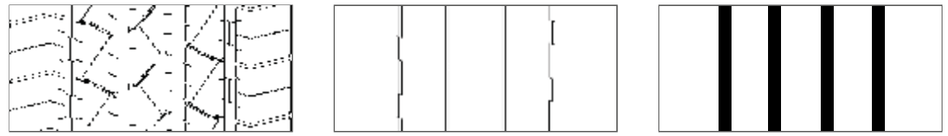


KMAX S 17.5“ 4-rib — ⇩ 3 mm ⇔ 6 mm



New tyre tread | 80% worn | Regrooved tyre

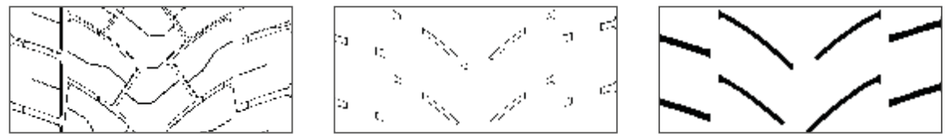
KMAX S GEN-3 5-rib — ⇩ 3 mm ⇔ 6-8 mm



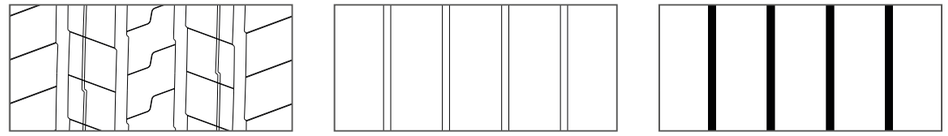
KMAX S GEN-3 6-rib — ⇩ 3 mm ⇔ 6-8 mm



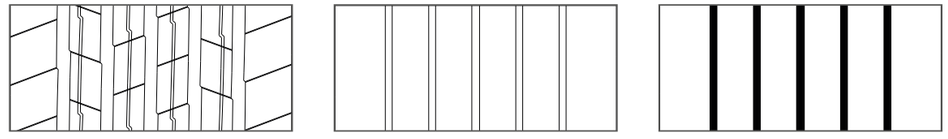
KMAX D GEN-3 — ⇩ 3 mm ⇔ 6-8 mm



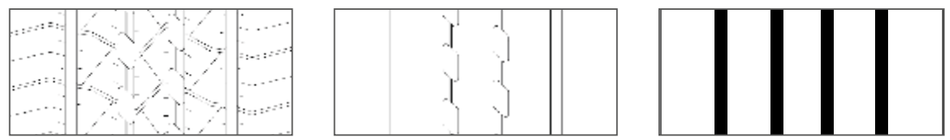
KMAX T GEN-3 5-rib — ⇩ 3 mm ⇔ 6 mm



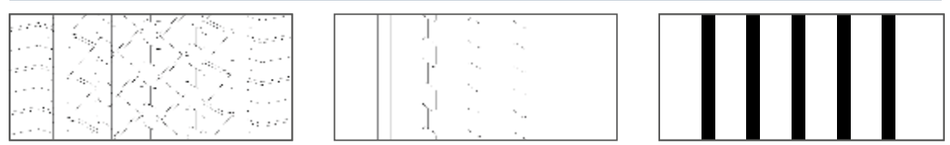
KMAX T GEN-3 6-rib — ⇩ 3 mm ⇔ 6 mm



KMAX S GEN-2 22.5” 5-rib — ⇩ 3 mm ⇔ 6 mm



KMAX S GEN-2 22.5” 6-rib — ⇩ 3 mm ⇔ 6 mm

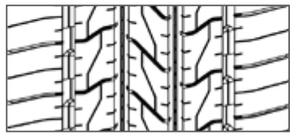
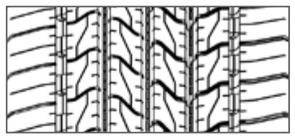
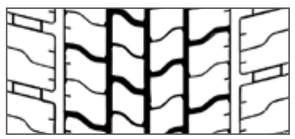
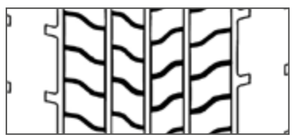
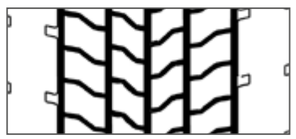
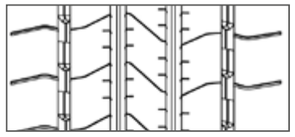
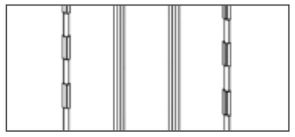
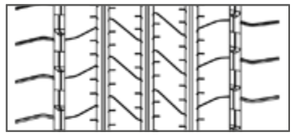
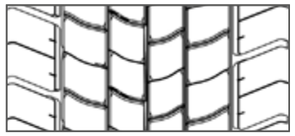
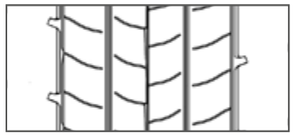
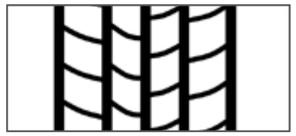
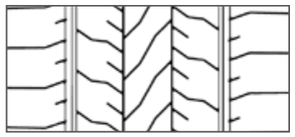
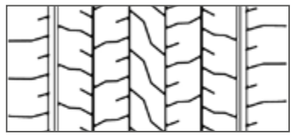
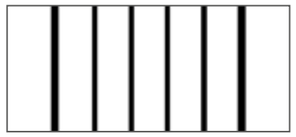


KMAX D GEN-2 — ⇩ 3 mm ⇔ 6 mm

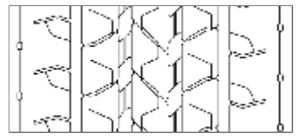
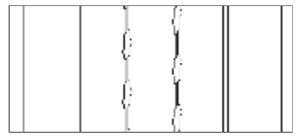
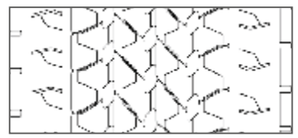
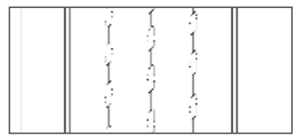
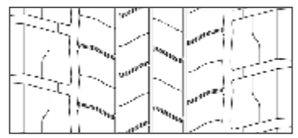
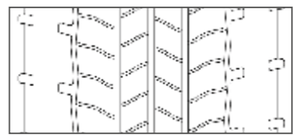
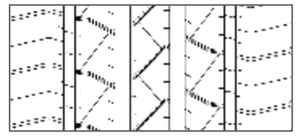
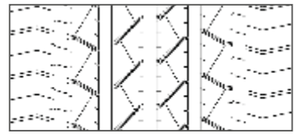
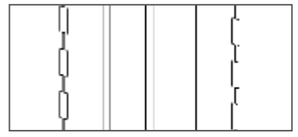
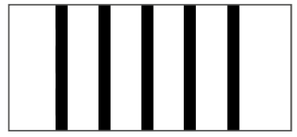
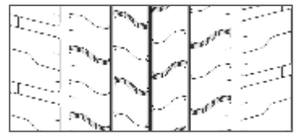


REGROOVING RECOMMENDATIONS FOR GOODYEAR TRUCK TYRES

EQMAX

New tyre tread	80% worn	Regrooved tyre
EQMAX S 5-rib 315/70R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX S 6-rib 385/55R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX D 315/70R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX S ULTRA 5-rib 315/70R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX S ULTRA 6-rib 385/55R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX D ULTRA 315/70R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX T ULTRA 5-rib 385/55R22.5		⇩ 3 mm ⇔ 6 mm
		
EQMAX T ULTRA 7-rib 435/50R19.5		⇩ 3 mm ⇔ 6 mm
		

FUELMAX

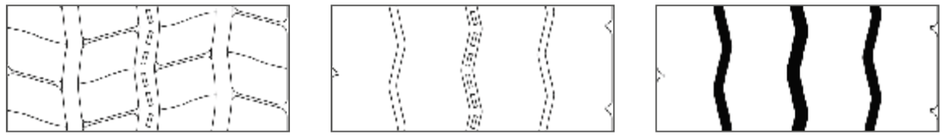
New tyre tread	80% worn	Regrooved tyre
FUELMAX S GEN-2 5-rib		⇩ 3 mm ⇔ 6 mm
		
FUELMAX S GEN-2 6-rib		⇩ 3 mm ⇔ 6 mm
		
FUELMAX D GEN-2		⇩ 3 mm ⇔ 6 mm
		
FUELMAX ENDURANCE S 5-rib		⇩ 3 mm ⇔ 8 mm
		
FUELMAX ENDURANCE S 6-rib		⇩ 3 mm ⇔ 8 mm
		
FUELMAX ENDURANCE D		⇩ 3 mm ⇔ 6 mm
		
FUELMAX T		⇩ 3 mm ⇔ 6 mm

REGROOVING RECOMMENDATIONS FOR GOODYEAR TRUCK TYRES

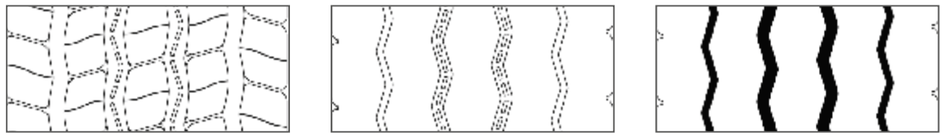
OMNITRAC

New tyre tread | 80% worn | Regrooved tyre

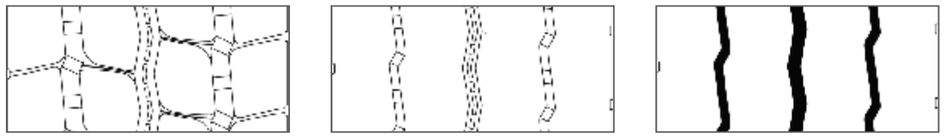
Omnitrac S 22.5” 4-rib
⇩ 3 mm ⇔ 9-11 mm



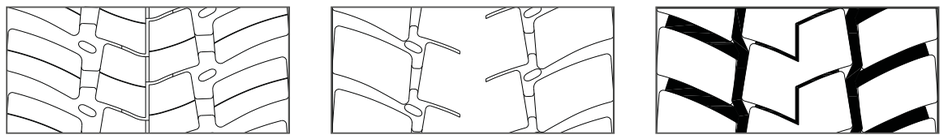
Omnitrac S 22.5” 5-rib
⇩ 3 mm ⇔ 5-10 mm



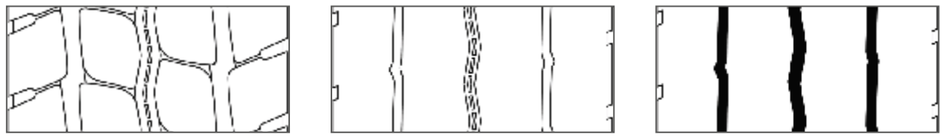
Omnitrac S 24”
⇩ 3 mm ⇔ 7-11 mm



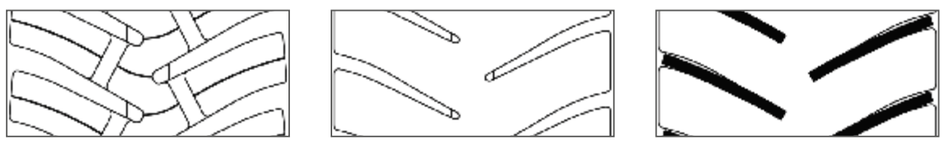
Omnitrac D
⇩ 3 mm ⇔ 3-13.5 mm



Omnitrac S Heavy Duty
⇩ 3 mm ⇔ 9-10 mm



Omnitrac D Heavy Duty
⇩ 3 mm ⇔ 9 mm



Omnitrac MSS II 4-rib
⇩ 3 mm ⇔ 6-8 mm



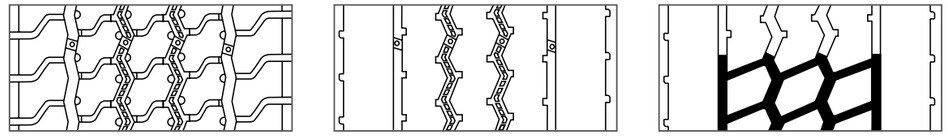
Omnitrac MSS II 5-rib
⇩ 3 mm ⇔ 6-8 mm



OMNITRAC

New tyre tread | 80% worn | Regrooved tyre

Omnitrac MSS 375/90R22.5 and 445/75R22.5
⇩ 3 mm ⇔ 6-8 mm



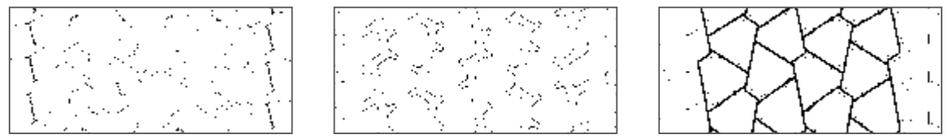
Omnitrac MSD II 20”, 22.5” and 24”
⇩ 3 mm ⇔ 6-8 mm



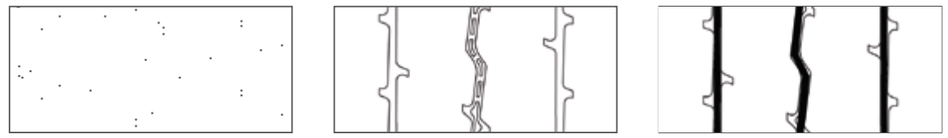
Omnitrac MSD II 385/55R22.5
⇩ 3 mm ⇔ 6-8 mm



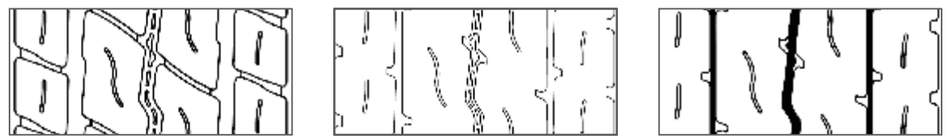
Omnitrac MSD II 495/45R22.5
⇩ 3 mm ⇔ 6-8 mm



Omnitrac MST II
⇩ 3 mm ⇔ 6-8 mm

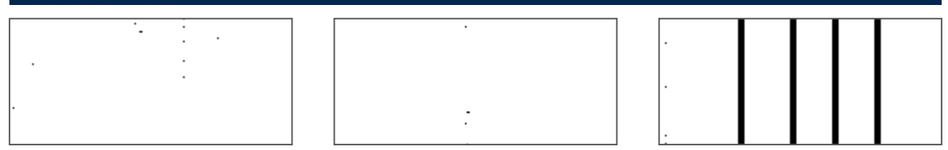


Omnitrac T
⇩ 3 mm ⇔ 6-8 mm

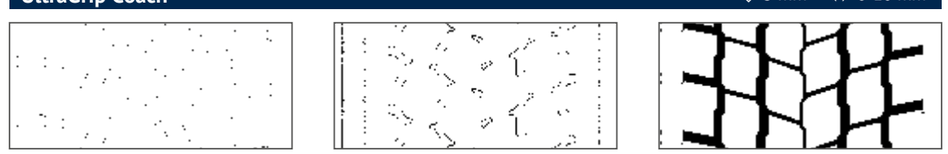


COACH

Marathon Coach
⇩ 3 mm ⇔ 6-8 mm



UltraGrip Coach
⇩ 3 mm ⇔ 6-10 mm

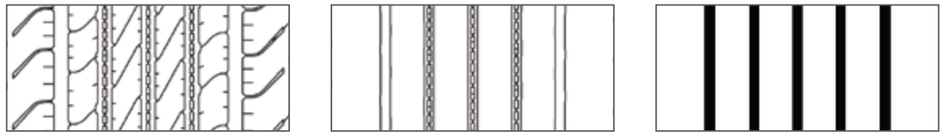


REGROOVING RECOMMENDATIONS FOR GOODYEAR TRUCK TYRES

MARATHON

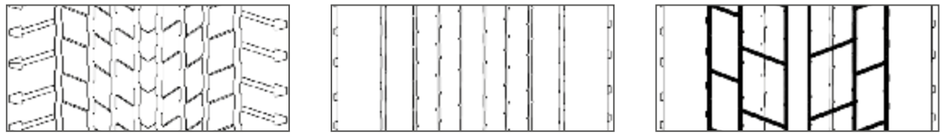
Marathon LHS II 50 series

⇩ 3 mm ⇔ 6-8 mm



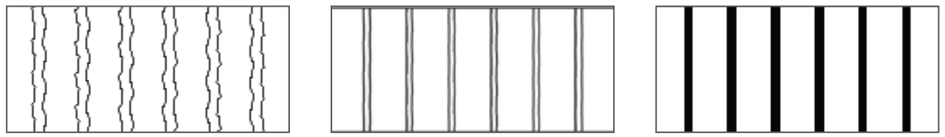
Marathon LHD 495/45R22.5

⇩ 3 mm ⇔ 6 mm



Marathon LHT

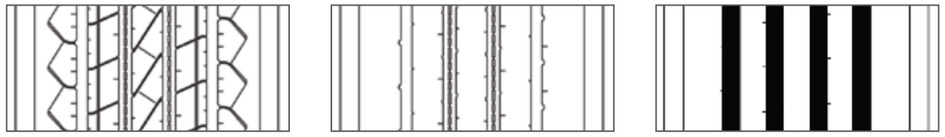
⇩ 3 mm ⇔ 6 mm



REGIONAL

Regional RHS II 22.5”

⇩ 3 mm ⇔ 6-8 mm



Regional RHD II 22.5”

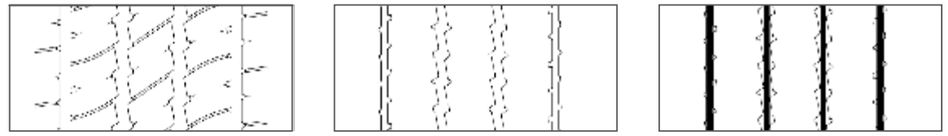
⇩ 3 mm ⇔ 6-8 mm



URBAN MAX

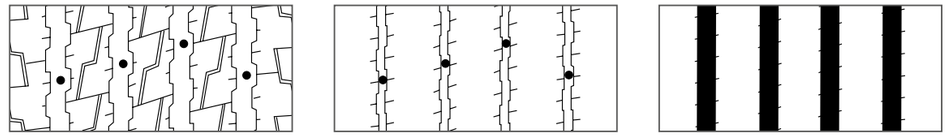
UrbanMax MCA 19.5” and 22.5”

⇩ 3 mm ⇔ 6-8 mm



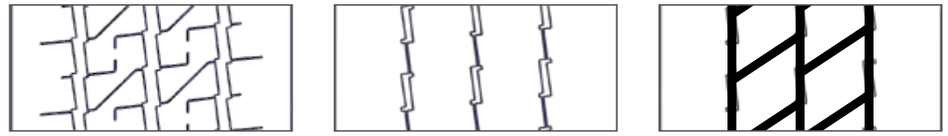
UrbanMax MCS

⇩ 3 mm ⇔ 8-10 mm



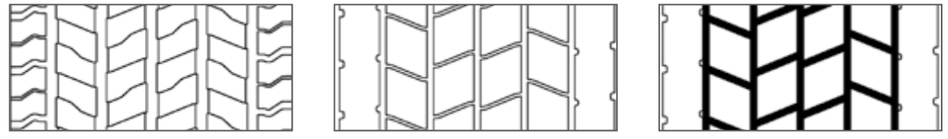
UrbanMax 22.5”

⇩ 3 mm ⇔ 6-8 mm



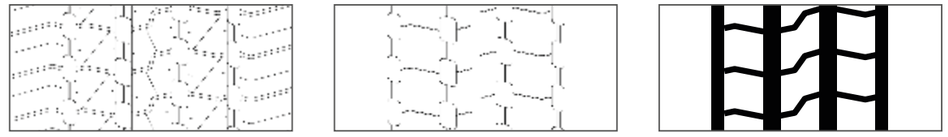
URBANMAX MCD TRACTION

⇩ 3 mm ⇔ 6-8 mm



URBANMAX COMMUTER

⇩ 3 mm ⇔ 6-8 mm

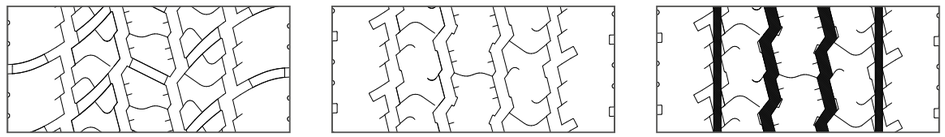


REGROOVING RECOMMENDATIONS FOR GOODYEAR TRUCK TYRES

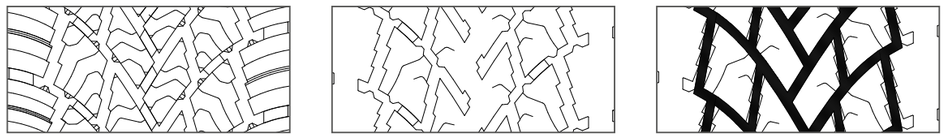
ULTRA GRIP

New tyre tread | 80% worn | Regrooved tyre

Ultra Grip MAX S
⇩ 3 mm ⇔ 6-8 mm



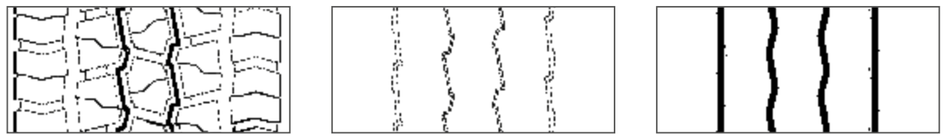
Ultra Grip MAX D
⇩ 3 mm ⇔ 6-8 mm



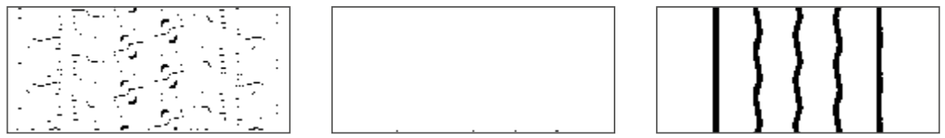
Ultra Grip MAX T
⇩ 3 mm ⇔ 6-8 mm



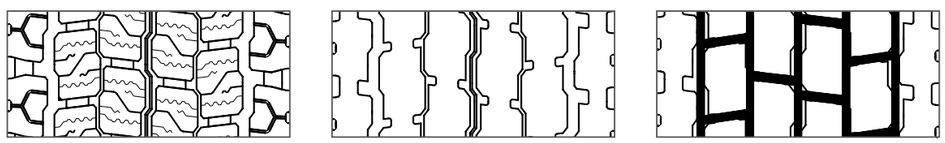
UltraGrip WTS 5-rib
⇩ 3 mm ⇔ 6-8 mm



UltraGrip WTS 6-rib
⇩ 3 mm ⇔ 6-10 mm



UltraGrip WTD
⇩ 3 mm ⇔ 6-10 mm



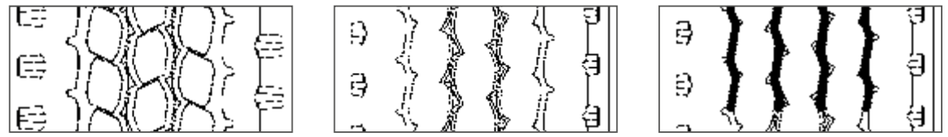
UltraGrip WTT
⇩ 3 mm ⇔ 6-8 mm



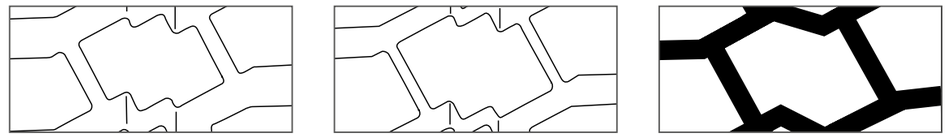
OFF-ROAD

New tyre tread | 80% worn | Regrooved tyre

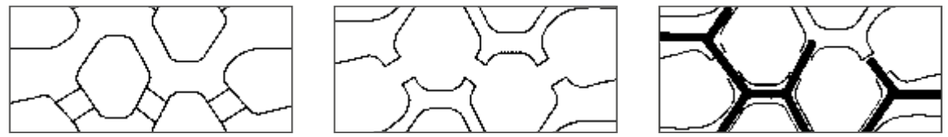
Offroad ORS
⇩ 3 mm ⇔ 6-8 mm



Offroad ORD 22.5” and 24”
⇩ 3 mm ⇔ 8-10 mm



Offroad ORD 365/85R20 and 375/90R22.5
⇩ 3 mm ⇔ 8-10 mm



Offroad ORD 14.00R20
⇩ 3 mm ⇔ 8-10 mm





TYRE TECHNOLOGY

TYRE CONSTRUCTION AND TERMINOLOGY

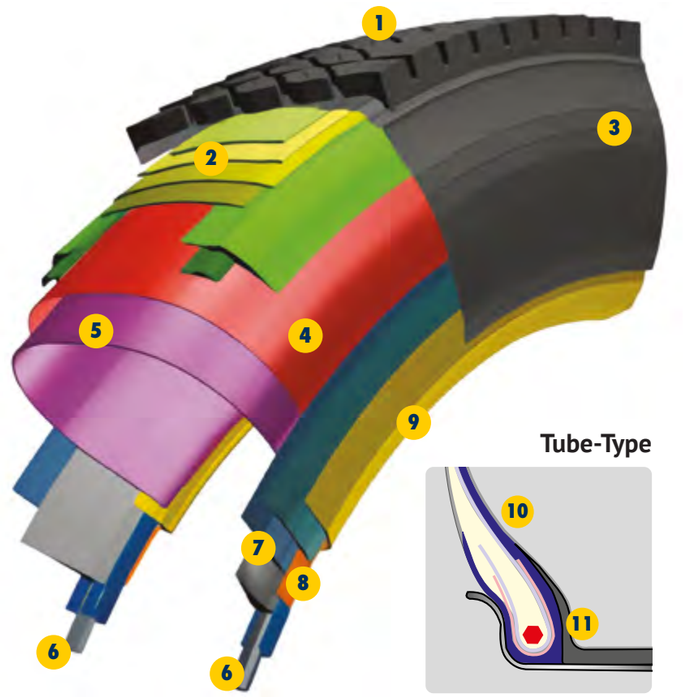
Truck tires are a high value investment whose performance potential can be dramatically influenced by a multitude of service parameters – which can be globally identified as operating and maintenance conditions. In other words, the true cost per kilometre is not only a function of the tire quality and price, but is primarily a direct consequence of the actual running conditions of the tire. In order to be able to optimise these conditions, it is essential to first of all be familiar with the construction characteristics of a tire and to understand its mechanical properties.

It will also be advisable to have a basic knowledge of vehicle dynamics and to recognise the importance of environmental factors such as road design and ambient temperature.

This brochure is designed to convey these elementary rules and guidelines and to therefore help minimize fleet operating expenses. For further clarifications and updated facts and figures, please consult with your Goodyear truck tire specialist.

Tyre construction

The commercially available tire is a composite product, made up from rubber compounds and textile, steel synthetic reinforcements.
The major components of the Goodyear radial ply, steel carcass and belt tire are described below.



Components

1. Tread
2. Belt Package
3. Sidewall
4. Ply
5. Innerliner
6. Bead Bundle
7. Apexes
8. Chipper
9. Chafer
10. Tube*
11. Flap*

** Only applicable to tube type tires*

NOTE: Whilst every care has been taken in the production of this publication, no responsibility can be accepted for any loss or damage arising out of undetected errors or mis-printing which may have occurred.

Tyre terminology

Tread
Provides primarily traction and wear and protects the carcass underneath.

Belt
Multiple, low angle, steel cord layers provide strength to the tire, stabilise the tread and prevent penetrations into the carcass.

Sidewall
Provides protection for the ply and withstands flexing and weathering.

Ply
The radial (90°) ply transmits all load, braking and steering forces between the wheel and the road and withstands the burst loads of the tire under operating pressure.

Innerliner
A layer of rubber in tubeless tires specially compounded to prevent loss of air.

Bead bundle
The steel bead bundle properly seats and seals the tire on the rim and maintains it in position.

Apex
Rubber filler in the bead and lower sidewall area to provide progressive transition from the stiff bead area into the flexible sidewall.

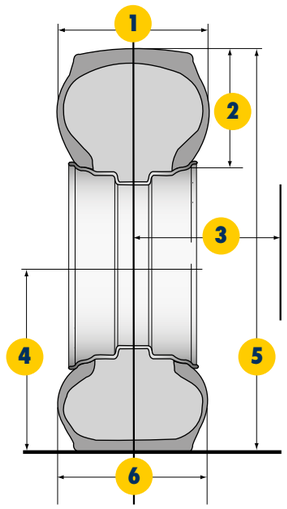
Chafer
A layer of hard rubber that resists erosion of the bead zone by the rim flange.

Tube*
A separate air chamber, compounded to prevent loss of air, inserted into tube-type tires.

Flap*
A rubber band placed between tube and rim. Protects the tube from chafing and prevents damage to the tube by the rim.
**only applicable to tube type tires*

Tyre dimension definitions

Tyre companies throughout the world are members of regional tire manufacturers associations (ETRTO for Europe), which establish tire dimensions and tolerances, load carrying capacities and inflation pressures for the different tire categories and sizes. The basic tire and rim dimension nomenclature is explained now.



** Only applicable to tube type tires*

1. **Section Width (SD)**
   The width of the inflated tire section, excluding any lettering or decoration.
2. **Section Height (SH)**
   The distance from the bead seat to the outer tread contour of the infated tire at centerline.
3. **Minimum Dual Spacing**
   The minimum recommended distance between centerlines of dual mounted tires to avoid kissing in the flex area.
4. **Static Loaded Radius (SLR)**
   The standing height from the road surface to the axle center under nominal tire load/inflationconditions.
5. **Outside Diameter (OD)**
   The diameter of an unloaded tire, mounted on it's recommended rim and inflated to recommended pressure.
6. **Loaded Section Width (LSW)**
   The width of the loaded cross-section.

Aspect Ratio
The section height (SH) expressed as a percentage of the section width (SD).

TRUCK TYRE LABEL

What is it?

Thanks to new legislation, commercial vehicle operators are to be helped in choosing their tires. Tyre labeling will ensure that tires sold are accompanied by data relevant to the consumers.

Clear and informative, the label information resembles that on existing energy efficiency labels with A being the highest performing and G the lowest.



CLEAR & STANDARDISED
Based on a European regulation to help you compare tires easily.

EASY COMPARISON
Standardised ratings from A to G for quick and simple comparison.

BETTER CHOICES
Helps you choose the right tires for better performance and lower operating costs.

What does it mean?

FUEL EFFICIENCY / ROLLING RESISTANCE

A rolling tire deforms and dissipates energy, and is one of the resistive forces acting on a vehicle. The energy that is lost in this way is known as 'rolling resistance' and directly impacts on fuel consumption and the environment. With lower rolling resistance the tire deformation requires less energy, less fuel and, in turn, less CO_2 is emitted. A win-win situation. Effects may vary according to the vehicle and driving conditions. However, the difference between a complete set of new A-class and F-class tires could reduce a truck's fuel consumption by up to 15%.*

A — F
Most fuel efficient tire — Least fuel efficient tire

WET GRIP / BRAKING

Tyres with excellent grip in the wet have shorter braking distances on slippery roads, essential for safety.

Effects may vary according to the vehicle, driving conditions and test method adopted. However, in the case of full braking, the difference between A-class and F-class tires could be up to 30% shorter braking distance. This means for a typical truck driving at 80 km/h up to 25 m shorter braking distance.**

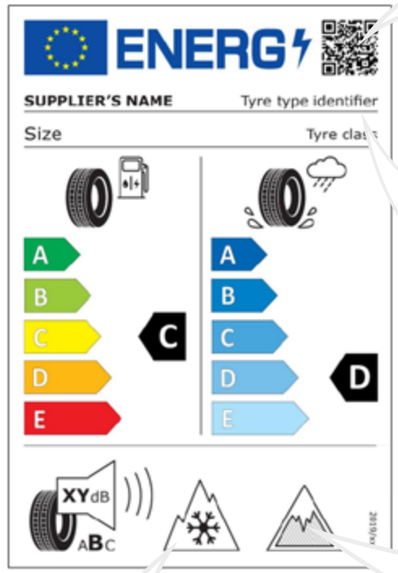
A — 25m — F
Shortest braking distance — Longest braking distance

NOISE EMISSION / EXTERIOR NOISE Measured in decibels (dB) Three classes

A tire's exterior noise grading is expressed in decibels (dB) and accompanied by one, two or three sound waves on the label. One wave corresponds to the quietest tire, three to the noisiest. In fact, three waves is the current limit, while two meets future laws and one is a further 3 dBs below. The quieter the tire the more environmental-friendly it is.

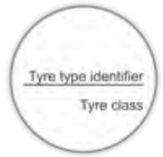
*Calculations based on tests made by the Goodyear Innovation Center Luxembourg 2012. For more details see verso.
** The calculation is based on a typical truck with semi-trailer operating at 40 tonnes GTW.

An explanation of the new elements on EU tyre label





The QR code:
The inclusion of a QR code provides easy access to product details in the public part of the EU product database. The code can be scanned and grants access to product information sheets and european tyre labels.



The tyre type identifier:
Each tyre product must identify through a unique tyre designation.



The snow tyre icon:
There are two new options for including an additional icon. The snow tyre icon shows, if a tyre is suitable for severe snow conditions. It bears a three-peak mountain snowflake symbol (3PMSF) that is incorporated in the sidewall of such tyres. The pictogram is granted by measuring the braking distance of a car from 25 mph on compacted snow or by measuring the traction force of a tyre. For a truck, the pictogram is granted by measuring the acceleration performance of a tyre. Snow grip performance in general is tested in accordance with Annex 7 to UNECE Regulation No 117. The regulation describes in detail such factors as test surface, air temperature, testing vehicle, load, pressure, speed, and many more.



The ice tyre icon:
The second new icon features a symbol of an ice stalagmite and indicates that a tyre provides a shorter braking distance on ice covered roads in winter. Information on ice grip performance will be based on the ISO standard (ISO 19447), which is expected to be published in July 2021. For tyres meeting the technical requirements, the ice grip pictogram will be included on the new EU tyre label of a C1 tyre (passenger car tyre), which satisfies the minimum ice grip index values set out in that ISO standard. The pictogram is granted by measuring the braking distance of a car from 20mph on pure ice. The standards for C2 and C3 tyres are still to be defined.

Size markings

There are various forms of tire size marking and these differ in order to differentiate between tire types. The size markings should be treated the same as a part number on a vehicle, so the motorist should ensure that the tires on his vehicle carry the precise marking indicated in the vehicle handbook or are an approved alternative fitment.

Service description

In accordance with the European regulation (ECE-R54), all tires intended for commercial vehicles will be marked with a “Service Description” located near to the tire size marking. This consists of a code which indicates operating limits of load and speed and includes a “load index” for single and dual tire fitment and a “speed symbol” (e.g 156/150 L).

An additional marking may be used to show the corresponding tire loads for an alternative higher speed or for an alternative higher load. This additional marking will be placed in a circle.

Free Rolling Tyre (FRT)

‘FRT’ stands for ‘Free Rolling Tyre’ and is a legal marking according to the UNECE Regulation No. 54, which indicates that the tire is specifically designed and intended for the equipment of trailer axles and axles of motor vehicles other than front steering and all drive axles.

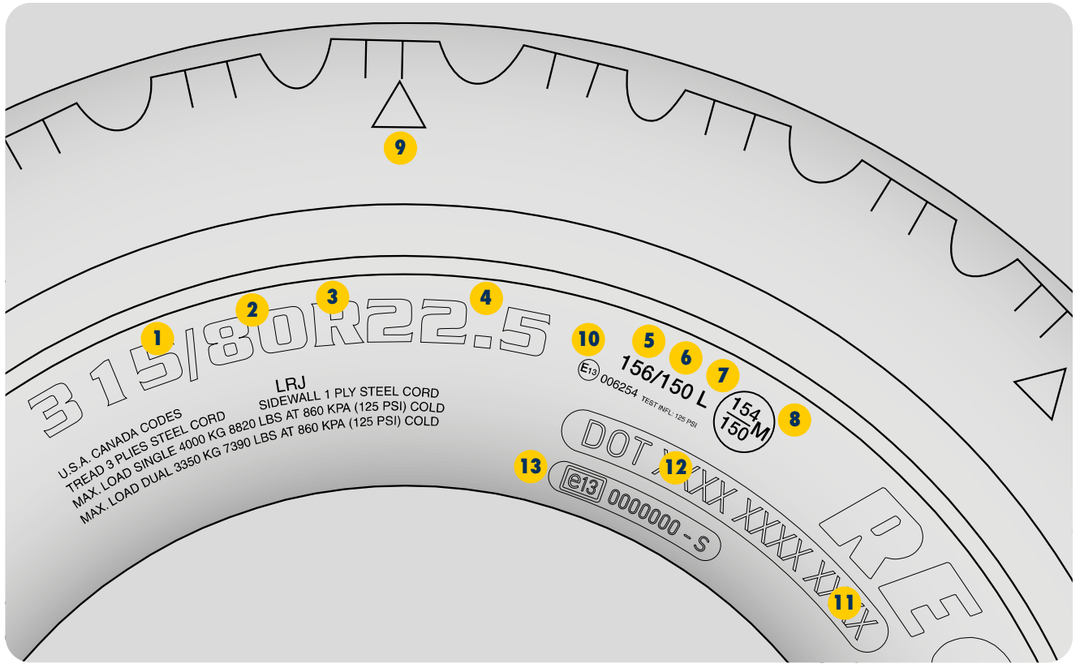
Therefore these trailer tires marked ‘FRT’ should be used exclusively on trailer axles and axles of motor vehicles other than front steering and all drive axles and should not be fitted in any other position.

Goodyear Dunlop will not warrant and cannot be held accountable for any potential liability claim involving FRT tires fitted outside these recommendations.

Size definitions

Listed below are the size designations that are being used on truck tires. With each size is an explanation of what each component describes.

12	**/**		**R**	**22.5**	**152/148**		**R**
Section width in mm			R-radial	Rim diameter in inches	Load index (single/dual mounted)		Speed symbol
295	**/**	**80**	**R**	**22.5**	**152/148**		**M**
Section width in mm		Aspect ratio	R-radial	Rim diameter in inches	Load index (single/dual mounted)		Speed symbol
365	**/**	**80**	**R**	**20.0**	**160**		**J**
Section width in mm		Aspect ratio	R-radial	Rim diameter in inches	Load index (single/dual mounted)		Speed symbol



The position of the major tire markings are as shown:

1. Tyre Section width (mm or inches)
2. Aspect ratio SH / SD
3. Radial construction (R=Radial)
4. Rim Diameter (inches)
5. Load Index (Max. load per tire – single tire)
6. Load Index (Max. load per tire – dual mounted)
7. Speed Symbol
8. Alternative load indices when used with alternative speed
9. TWI – Tread Wear Indicator
10. ECE Homologation number
11. Date code (week, year)
12. DOT Manufacturing Code
13. Noise number – indicates that the tire conforms to ECE noise regulations

USA and Canada

In accordance with US Safety Regulation MVSS 109 for Car tires, and 119 for Truck tires, the maximum load of the tire in pounds (LBS) and its corresponding air pressure in pounds per square inch (PSI) must be shown on the tire.

Additionally, the tire must be marked D.O.T. (Department of Transportation) to insure that it conforms to all valid regulations in these countries.

LOAD INDEX AND SPEED SYMBOL

These parameters are established by ETRTO and are the two most important service factors determining tire performance.

Load indices and speed symbols are shown on both tire sidewalls. Example: 149/145 L. The first number denotes the tire load carrying capacity in SINGLE application, while the second number refers to DUAL fitment. The letter "L" defines the maximum speed limit. Unmarked Radial tires are allowed up to a speed of 110 km/h. (Bias ply tires are confined to 100 km/h).

Retreaded tires can be run up to a maximum speed of 110 km/h, u nless they are marked otherwise.

Special purpose tires, for specific heavy duty applications must have the respective speed limitations identified on the sidewall.

The speed and load service identifications below are required by the European ECE-R54 regulation. The scale below shows the relationship between the Load Index (LI) and actual load values in kilograms (kg).

Load index

LI	KG	LI	KG	LI	KG	LI	KG	LI	KG	LI	KG
60	250	80	450	100	800	120	1400	140	2500	160	4500
61	257	81	462	101	825	121	1450	141	2575	161	4625
62	265	82	475	102	850	122	1500	142	2650	162	4750
63	272	83	487	103	875	123	1550	143	2725	163	4875
64	280	84	500	104	900	124	1600	144	2800	164	5000
65	290	85	515	105	925	125	1650	145	2900	165	5150
66	300	86	530	106	950	126	1700	146	3000	166	5300
67	307	87	545	107	975	127	1750	147	3075	167	5450
68	315	88	560	108	1000	128	1800	148	3150	168	5600
69	325	89	580	109	1030	129	1850	149	3250	169	5800
70	335	90	600	110	1060	130	1900	150	3350	170	6000
71	345	91	615	111	1090	131	1950	151	3450		
72	355	92	630	112	1120	132	2000	152	3550		
73	365	93	650	113	1150	133	2060	153	3650		
74	375	94	670	114	1180	134	2120	154	3750		
75	387	95	690	115	1215	135	2180	155	3875		
76	400	96	710	116	1250	136	2240	156	4000		
77	412	97	730	117	1285	137	2300	157	4125		
78	425	98	750	118	1320	138	2360	158	4250		
79	437	99	775	119	1360	139	2430	159	4375		

The LOAD INDEX denotes the maximum load a given tire can carry at the maximum speed as indicated by the speed symbol.

Speed Symbol

Speed symbol	Speed (km/h)
E	70
F	80
G	90
J	100
K	110
L	120
M	130
N	140

The SPEED SYMBOL denotes the maximum speed at which a given tire can carry the load indicated by the load index.

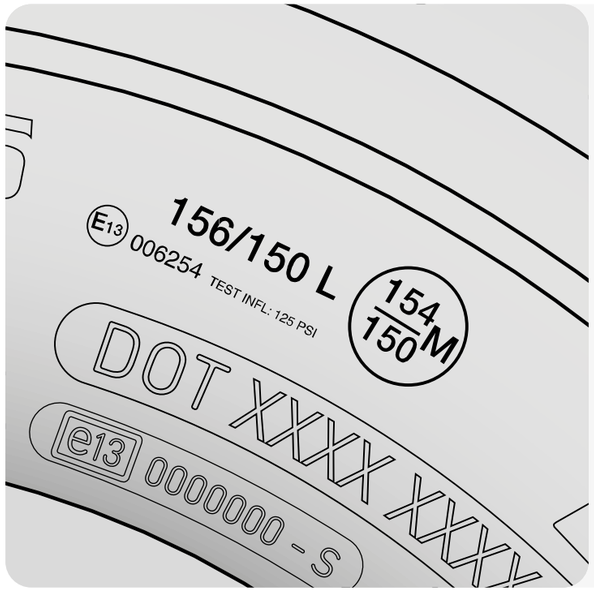
NOTES CONCERNING "VARIATIONS IN LOAD CAPACITY WITH SPEED (%)"

Speed (km/h)	F 80 km/h	G 90 km/h	J 100 km/h	K 110 km/h	L 120 km/h	M 130 km/h	Inflation Pressure (%) Compensation
Static	+150	+150	+150	+150	+150	+150	+40
5	+110	+110	+110	+110	+110	+110	+40
10	+80	+80	+80	+80	+80	+80	+30
15	+65	+65	+65	+65	+65	+65	+25
20	+50	+50	+50	+50	+50	+50	+21
25	+35	+35	+35	+35	+35	+35	+17
30	+25	+25	+25	+25	+25	+25	+13
35	+19	+19	+19	+19	+19	+19	+11
40	+15	+15	+15	+15	+15	+15	+10
45	+13	+13	+13	+13	+13	+13	+9
50	+12	+12	+12	+12	+12	+12	+8
55	+11	+11	+11	+11	+11	+11	+7
60	+10	+10	+10	+10	+10	+10	+6
65	+7.5	+8.5	+8.5	+8.5	+8.5	+8.5	+4
70	+5	+7	+7	+7	+7	+7	+2
75	+2.5	+5.5	+5.5	+5.5	+5.5	+5.5	+1
80	0	+4	+4	+4	+4	+4	0
85		2	+3	+3	+3	+3	0
90		0	+2	+2	+2	+2	0
95			+1	+1	+1	+1	0
100			0	0	0	0	0
105				0	0	0	0
110				0	0	0	0
115					0	0	0
120					0	0	0
125						0	0
130						0	0

NOTES: Increment to be applied in the absence of any specific agreement with the tire manufacturer. These increments do only apply to the "nominal" load/speed indices.

INTERACTION OF LOAD AND SPEED

Additional load/speed markings

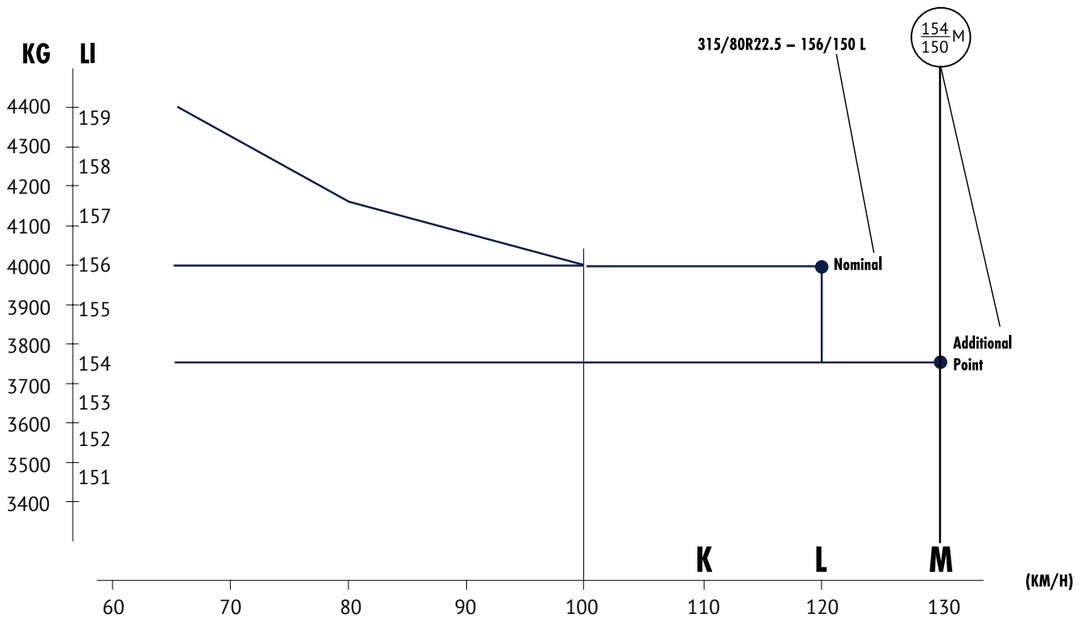


The tire manufacturer has the possibility to add to the "nominal" load/speed indices an additional load/speed index with different

load index and different speed index. This additional load/speed index is circled.

For other load benefits due to maximum speed variations please consult the table and notes in the "Interaction of Load and Speed" section.

NOTES: ETRTO tables apply only to nominal LI/SI marking.



NOTES CONCERNING "VARIATIONS IN LOAD CAPACITY WITH SPEED (%)"

(Below notes refer to the ETRTO (European Tyre and Rim Technical Organisation) Guidelines, in case more details are required , please refer to the actual valid ET RTO Standards Manual)

For the application being conside red, "SPEED" means:

- either the maximum speed capability of the motor vehicle
- or any overriding national requirement/legislation for the type of motor vehicle
- or, in case of "special applications", the specific conditions of use.
- The load carrying capacity of tires in dual fitments is twice the load carrying capacity in single up to 40 km/h. Bonus loads will not be permitted for spreads of 40km/h and above if the wheel axles are rigidly fixed to the body of vehicle.
- Bonus loads are not applicable for trailers and semi-trailers at speeds over 65 km/h.

General definitions

Buses (Category M3 vehicles in the EU Directive) are subdivided into three classes depending on the intended type of use. Category M3 vehicles, for the carriage of passengers, have more than eight seats in addition to the driver's seat and exceed 5 tonnes in overall weight.

Class I

Urban-bus or City bus – foreseen for urban use with frequent stops, these vehicles have spaces for standing passengers and allow movements of passengers.

Class II

Suburban bus or Interurban bus – foreseen for passenger transport within a given district, these vehicles have no specific spaces for standing passengers, but allow them to keep standing in the gangway for some distances during the trip.

Class III

Touring coach – These vehicles mainly foreseen for long distances, are conceived for transportation of sitting passengers only.

On the basis of the specific conditions of use of the buses designed for urban or suburban services and irrespective of their actual maximum speed capability, the following bonus loads apply:

Class I

+ 15% of the load indices marked on the tire, when the average speed does not exceed 40 km/h.

Class II

+ 10% of the load indices marked on the tire, when the operating speed is restricted to 60 km/h.

Class III

no bonus load Class.

For the equipment of special public service vehicles in urban and suburban applications (for instance road sweepers, fire tenders, etc.), on the basis of specific conditions of use and irrespective of the actual maximum speed capabilities of the vehicle, a bonus load of 10% applies with respect to the load indices marked on the tire.

In any case, it is recommended to avoid the maximum permissible load capacity if the resulting inflation pressure is higher than 1000 kPa. In that case, the load capacity shall be reduced accordingly.

It is imperative to consult Rim/Wheel Manufacturers for the choice of rims and wheels suitable for the load carrying capacities and the inflation pressures required for applications at speeds of 40 km/h and below.

TRUCK TYRE LABEL

Depending on conditions of use and maintenance, Goodyear's high-quality tire casings can give each tire multiple lives (new, regrooved, retread, regrooved retread) lowering operating costs.

Regrooving basics

- A regrooved tire is a tire, either new or retreaded, on which t he tread pattern has been renewed or a new tread pattern has been produced by cutting into the tread deeper than the original molded groove depth.
- The regrooving of truck tires should be entrusted solely to fully trained operators.
- Only proven regrooving tools with electrically heated blades should be used.
- A minimum of remaining undertread rubber is essential to avoid damage at the top breaker belt, groove cracking and/ or stone damage.
- If regrooved according to the recommendations outlined in this manual, Goodyear tires can, in principle, be mounted on all wheel positions. However, since it has become standard practice for users to normally fit new tires on front axles, the regrooved tires will usually be mounted on the rear axles or trailer positions.
- Tyres which are heavily damaged in the tread area (e.g. rib tearing, multiple cutting and chipping) should not be regrooved but retreaded.
- All tires that are marked 'Regroovable' in the sidewall areas have extra undertread thickness for regrooving purposes.

Regrooving recommendations

- Under NO circumstances should the tire be completely worn before regrooving. It is strongly recommended to
- regroove when 3 to 6mm of the original design is still left.
- Determine the blade setting depth for each individual tire as follows:
  a) Measure the remaining groove depth AT THE POINT OF LOWEST TREAD DEPTH;
  b) Set the blade in the cutter head to the 'minimum remaining groove depth' + 3mm maximum regrooving depth. This will maintain a 3mm gauge under the regrooved tread.
- While regrooving, hold the cutter so that the underside of the cutting head is flush against tread surface.
- The maximum regrooving depth for all Goodyear tires is 3mm.
- If the wear is irregular, probing of the remaining undertread gauge is necessary to ensure that 3mm of undertread will remain after regrooving.

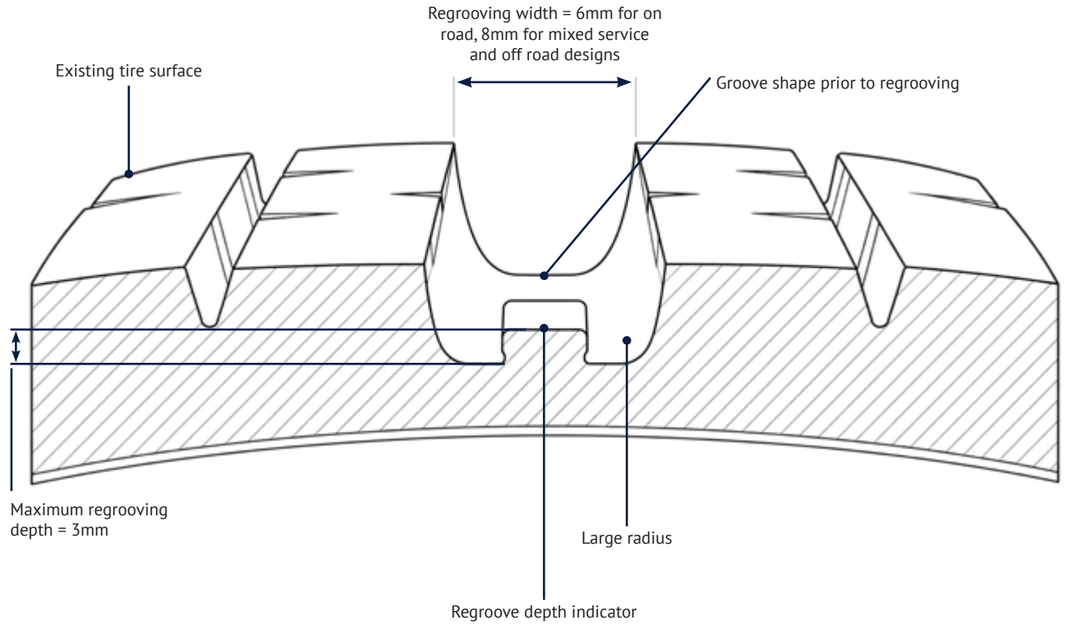
Regrooving Goodyear remould tires

- Provided that the retreading process is on a Goodyear casing carried out by a Goodyear Authorized Retreader, the remold tire may be regrooved to the same pattern as the new tir e, with a maximum regrooving depth of 3mm.

Regrooving parameters

Regroove Goodyear truck tires when there is still sufficient tread depth. Suggested remaining tread depths are: 3-4mm for regular highway use; 5-6mm in operating conditions where penetration damage is likely.

Regrooving depth indicators are moulded into the tire design.
They allow regrooving tools to be set to the optimum depth.



RIMS AND WHEELS

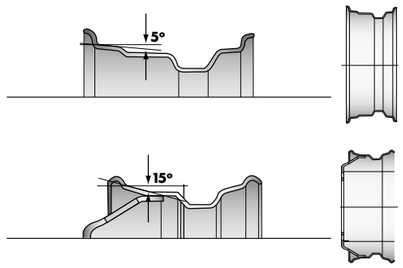
For truck tires, there are essentially 3 basic rim types available on the market:

- one-piece tubeless drop center rims
- multi-piece tube-type flat base rims
- multi-piece tubeless flat base rims

One-piece tubeless drop center

5° Drop center Rim – (13", 14", 17" etc...) symmetric and asymmetric rims for standard and low section light truck (C) tires.

15° Drop center Rim – (17.5", 19.5", 22.5" etc...) rims for standard and wide section (Low Aspect Ratio, Super Single) tires.



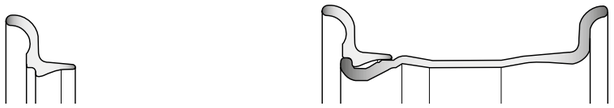
Two and four-piece tube type flat base

(Mainly 20") rims for high aspect ratio tires. It will be important to avoid interchanging of parts from both systems.



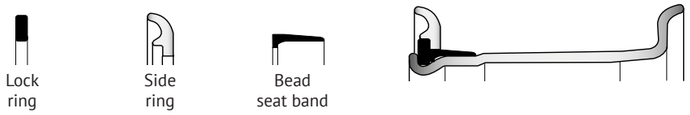
NOTE: Each system is usually identified accordingly (stamped 2P or 4P).

Two-piece tube-type flat base

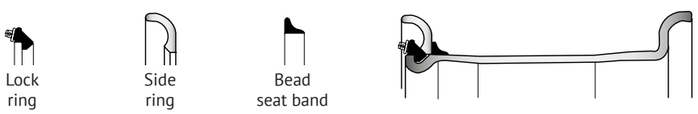


Combination Side Ring

Four-piece tube-type flat base



Four-piece tube-type flat base



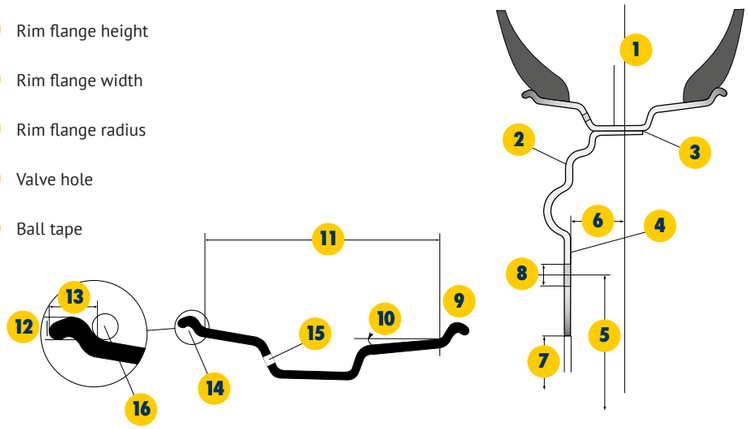
(20") rims for mainly 80-series ti res.

They require a new sealing gasket for each new tire.

Regrooving parameters

Complete wheel details are shown below:

1. Drop center
2. Disc
3. Rim/disjunction
4. Hub contact face
5. Pitch (bolt) circle diameter
6. Offset
7. Center hole diameter
8. Stud hole diameter
9. Rim flange
10. Taper
11. Rim Width
12. Rim flange height
13. Rim flange width
14. Rim flange radius
15. Valve hole
16. Ball tape



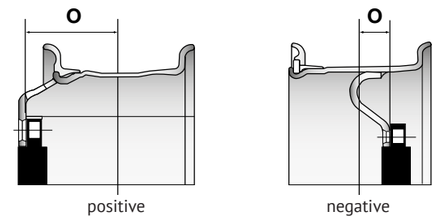
NOTE: Rim diameters can only be accurately measured by means of a special ball tape.

All wheels have a given offset (O) which does not only provide for the necessary brake drum space, but which also determines track width, kingpin offset, handling characteristics and wheel bearing load. On dual assemblies, it also influences the dual spacing.

Tyre fitters and mechanics must therefore pay attention that:

- specific vehicles are fitted with the correct offset wheels.
- wheels with different offsets are not mixed up on the same axle.

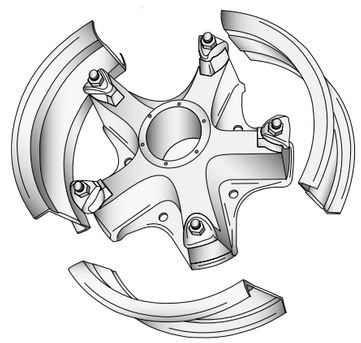
Wheel offsets can be positive, negative or zero. The offset is defined as the distance from the wheel center to the inside face of the disc (against the hub) and is called positive whenever this inside face is located outside of the centerline, negative when located inside, zero when matching the centerline exactly.



As a general maintenance rule, assembling and disassembling of multi-piece rims should only be done with specially designed tools. This will not only assure The safety of the fitter, but will also avoid usage of hammers and other inadequate equipment which could sooner or later damage or break vital rim parts. Also, for 1-piece tubeless rims, proper tooling is essential, since it will otherwise be extremely difficult or even impossible to mount such tires safely and without bead area damage.

For demountable 1- or multiple-piece spoke-type wheels, the following additional precautions should be taken:

- Contact surfaces between rim and star should not be painted to guarantee perfected centring.
- Bolts should be tightened clockwise (not crosswise) – without exceeding the recommended maximum torque given by the vehicle manufacturer.
- Bolts and clamps should be re-checked at 50–100 km after wheel fitment and re-tightened if necessary.
- In case of dual mounting, the spacer ring should be pre-centered over the centering cams (placed on spokeheads).



TUBES AND FLAPS

Only use “Radial” marked tubes and flaps in Radial Tyres. Preferably fit a new tube and a new flap when mounting a new tire. Due to their inherent construction, Radial Tyres impose far greater local stresses on Inner tubes than Bias Tyres. “Radial” marked Tubes are specially compounded to withstand these stresses and their use in Radial Tyres is mandatory. “Radial” marked Tubes may also be used in Bias Tyres, but in this application, unmarked Bias Tubes are perfectly satisfactory.

The higher stresses in Radial Tyres render the tube more susceptible to Flap Edge Cutting, and the use of “Radial” marked flaps, specially compounded such that they will not harden excessively in service is mandatory

Tubes

Tubes are designed within well defined limits of Radial and Total Stretch. A tube too large will be liable to buckling, and to early failure. A tube too small will be stretched excessively, leading to reduced rub resistance, and poorer air retention. In an emergency, a small tube is better than a large tube, since the failure mode is less likely to be catastrophic.

In case of necessity, a tube may be reused, if,

- There is no apparent damage and
- If the tube has not grown excessively during the first life. It is suggested that for a tube to be reused, a residual radial stretch of at least 15% is required.

NOTE: The fitment of tubes to “tubeless” tires is not recommended.

Flaps

The flap is designed to:

- Protect the tube from the roughness of the rim.
- To prevent the tube being pinched by the component parts of multi-pieced rims.
- To prevent the tube being pushed through the valve slot.

As a rule we can say that flaps are necessary for any rim which has a valve slot as against a valve hole.

All D rop center rims including passenger, truck and farm, have a valve hole on the side of the well and require an off center valve on the tube. They do not require a flap.

Drop center truck rims occasionally have the valve hole on center, but these are normally only fitted with run out tubes in emergency cases which is a practice not endorsed by Goodyear.

All flat base rims with a removable flange have a valve slot extending from the centerline of the rim to the edge. These rims require a flap, and a tube with an on centre valve.

All Semi D rop center rims have a short valve slot, which may be on or off center dependant on the type of rim, and upon the rim manufacturer, and require flaps and tubes with respectively on or off center valvehole, and the tube valve.

Rim slot cover plates

Tubes are designed within well defined limits of Radial and Total Stretch. A tube too large will be liable to buckling, and to early failure. A tube too small will be stretched excessively, leading to reduced rub resistance, and poorer air retention. In an emergency, a small tube is better than a large tube, since the failure mode is less likely to be catastrophic.

In case of necessity, a tube may be reused, if,

- There is no apparent damage and
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NOTE: The fitment of tubes to “tubeless” tires is not recommended.

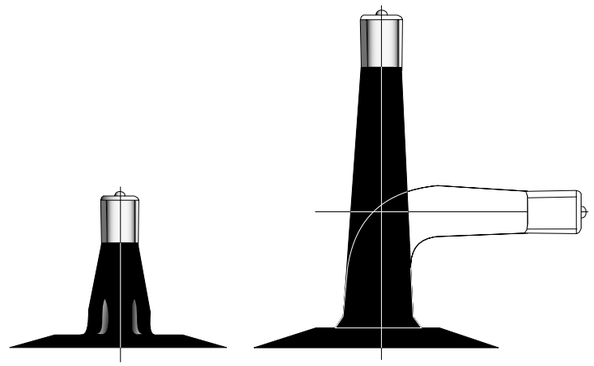
Medium truck-20/24”			
Tyre size	Tube	Rim	Flap
12.00R20	12.00R20	8.0	20R8.5
		8.5	20R8.5
		9.0	20R9.5
14.00R20	14.00R20	10.0	20R9.0
12.00R24	12.00R24	8.0	24R8.5
		8.5	24R8.5
		9.0	24R9.0

VALVES

Three types of Inner Tube Valve exist in Commercial service:

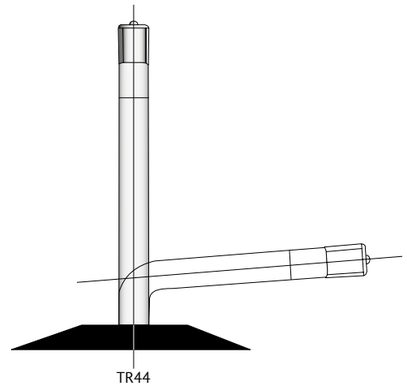
Rubber covered valves

Rubber covered valves which may be rigid as for the TR15, or hand bendable as for the TR150.



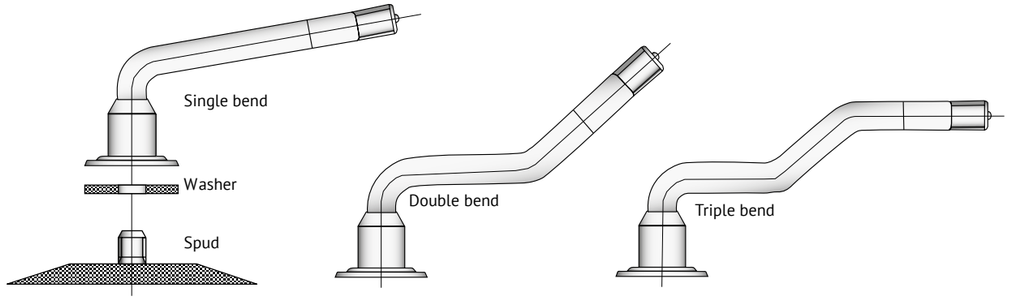
One-piece metal valves

One-piece metal valves, such as the TR44 series. These are generally supplied with the required bent form, and may be single, double or triple bent.



Two-piece metal valves

European style two-piece metal valves consist of a spud (a short threaded metal tube) vulcanised onto the tube and a pre-bent extension which screws onto the spud, using a rubber washer as the air seal.

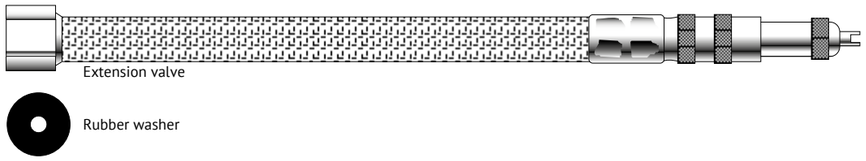


Fitting extension valves

Extensions are actually coded in the form V*-*-*, but to avoid confusion are generally referred to as the designation of the one piece metal valve to which they are equivalent.

The weakest part of the design of the extension type valves is the rubber washer. The washer is compressed when the valve is tightened, and loses its elasticity with age. Rubber washers should never be reused since they harden and take a permanent set. Similarly, extensions should never be backed off to make them line up with the rim slots.

The correct procedure is to wind the extension onto the stem until it just contacts the washer. Take another half turn. Then mount the tire/tube/flap assembly, and line the extension up with the slot by tightening further.



Valve caps

The valve core is present to allow the internal air pressure to be measured and changed. It is the valve cap which is the primary air seal. Valve caps are always made of metal and have a rubber sealing ring. The plastic dust caps are not suitable for field service. They are designed to prevent damage to the TubeValveValve Core during transportation from point of manufacture to point of use.

Valve cores

Valve cores are available in two lengths, two temperature ranges, and with either internal or external springs. Fortunately all these cores are interchangeable. It is recommended to use the short core, internal spring, heat resistant type. These are recognisable since the small rubber collar around the core is coloured red.

Conversion from T&RA to reference numbers

T&RA	Single	ETRTO Double	Triple
TR75	V3.02.27		
TR76	V3.02.8		
TR78	V3.02.12	V3.04.6	V3.06.5
TR175	V3.02.10	V3.04.4	V3.06.3
TR177	V3.02.9	V3.04.3/10	V3.06.1
TR178	V3.02.14		
TR179	V3.02.15		V3.06.6
TR285			V3.07.1

NOTE: Goodyear primarily manufactures truck tubes with spud/screw on extension type valves.



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