YOKOHAMA

TRUCK AND BUS RADIALS
2023 ▸ 2024



For information about the EU Tyre Label, tyre labelling data and further technical details, see the corresponding sections inside this catalogue or price list respectively. You can also refer to the YOKOHAMA website www.yokohama.eu (not for country specific product and size availability).

TECHNOLOGIES TO GIVE YOU THE ADVANTAGE!

YOKOHAMA's Concept

Fleets today need more miles, greater retreadability, longer even-wear and less maintenance costs per kilometre from their tyres. Given the extreme demands of today's transport industry, continuous innovation in tyre technology is essential. YOKOHAMA's technologies help you get the most out of your tyre investments.

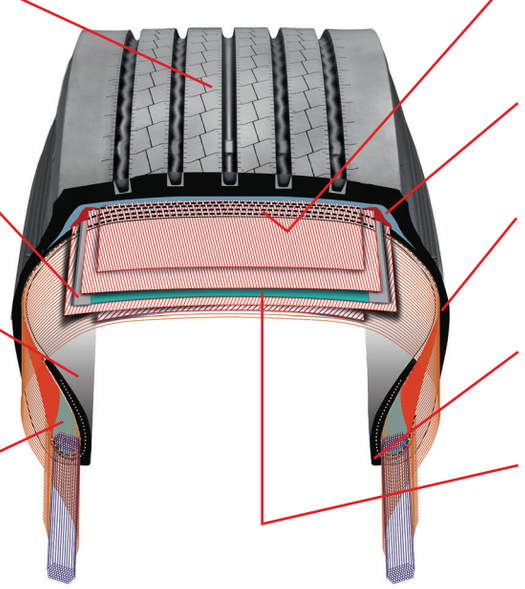
Tyre Construction

Tread
Compounds used in the tread depend on the tyre's specific application needs. YOKOHAMA has chosen various compounding strategies to minimise treadwear rate, and maximise traction, fuel efficiency, and resistance to fatigue, chipping and scaling.

Belt Edge Cushion
YOKOHAMA tyres feature a belt edge cushion to help prevent separation of the belt edges, and therefore the tread, caused by the scissoring effect of the belts.

Inner Liner
YOKOHAMA's inner liner is specially designed to minimise air seepage into adjacent areas of the tyre. The quality of the inner liner is critical to prevent air from penetrating into the casing. YOKOHAMA's special inner liner compound ensures a significantly longer casing life.

Bead Filler
Two or more different compounds are used in YOKOHAMA's bead filler (apex rubber) to stiffen the bead for steering response and to control the flexibility of other parts of the tyre.



Belts and Casing
Thin, highly adhesive assembly compounds are used in YOKOHAMA's tyre casing and belts to prevent separation of the steel cords.

Undertread
YOKOHAMA's undertread compounds have low heat-generating characteristics, which prevent tread separation.

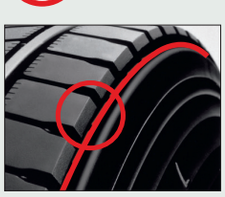
Sidewall
YOKOHAMA's special sidewall compounds are selected for high flexibility, excellent durability and high resistance to fatigue and weather cracking.

Rim Cushion
YOKOHAMA's rim cushion compound is highly resistant to the heat transmitted by the rim.

Zero Degree Belt
The "SPIRALOOP" Belt Structure (at the moment for BluEarth 110L only) has excellent casing durability, minimises casing growth and improves uneven wear performance. It contains a joint-less, zero degree circumferential belt, added in between the conventional 2nd and 3rd belt.

Individual Technologies

SC Groove



SC* Groove
To improve the shoulder "Step-Down Wear".

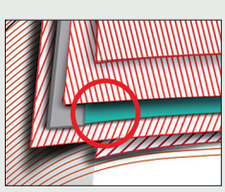
*SC : Stress-wear (uneven wear) Control

SC Sipe



SC* Sipe
To improve "river wear".

SPIRALOOP



SPIRALOOP Construction
It minimises casing growth and improves uneven wear performance.

THE YOKOHAMA TBS PRODUCT LINEUP

Highway



BluEarth 110L M+S

Depend on sizes



107ZL



BluEarth 707L M+S



RY357 M+S

Depend on sizes



RY407

Steer Axle / All-Position



TY517E M+S

Drive Axle



RY253

Trailer Axle

Regional



126S* M+S

* Partly also for highway use



124R (124RA) M+S



104ZR



121T M+S



125T M+S



RY103

Steer Axle / All-Position



704R M+S

Drive Axle



Y785R



RY357 M+S

Depend on sizes



RY253

Trailer Axle

City Bus and Coach

CITY BUS



120U M+S



RY537 M+S

Steer Axle / All-Position

COACH



107ZL



124R M+S

Steer Axle / All-Position

On and Off Road



MY507 M+S



MY547 M+S

Steer Axle / All-Position



301C M+S



LY717 M+S

Drive Axle



505C M+S

Trailer Axle / Steer Axle

Winter *



901ZS M+S



TY287 M+S

Steer Axle / All-Position



902W M+S



SY397 M+S

Drive Axle



508T M+S



505C M+S



MY507 M+S

Trailer Axle

YOKOHAMA ORIGINAL TREAD PATTERN CODES

RY: Rib (All-Position / Steer / Trailer)
TY: Traction Block (Drive)
MY: Rib / Lug (Mixed Service) (All-Position / Steer / Trailer)
LY: Lug (Drive)
SY: Snow / Winter



1 Pattern
- 1: Rib
- 3: Lug
- 5: Rib Lug
- 7: Block (Traction)
- 9: Snow, Winter

2 Development Number
01 to 99

(3) "Z" environment Series

4 Category
- L: Long Haul / Highway use
- A: On & Off (All Terrain)
- U: Urban
- R: Regional
- W: Winter
- E: Environment Special
- S: Steer Special
- D: Drive Special
- T: Trailer Special

NOTE

The availability of products and the special size range offered can vary from country to country.
For detailed Information about the available products and sizes offered in your country, the EU Tyre Label, tyre labeling data and further technical data, please see the corresponding sections in this catalogue or price list respectively or contact your local distributor or dealer. For basic information, you can also refer to the YOKOHAMA website www.yokohama.eu (not for country specific product and size availability).

***Please note:** In this winter section, tyres bearing the snow grip pictogram (or Alpine Symbol or 3PMSF symbol) according to Regulation (EU) R740/2020, thus tyres which satisfy the minimum snow grip index values set out in UNECE Regulation No 117, are shown as well as tyres with the M+S marking. For information about the EU Tyre label, Tyre labelling data and further technical details, please refer to the corresponding section in this catalogue or price list respectively, or refer to the YOKOHAMA website www.yokohama.eu

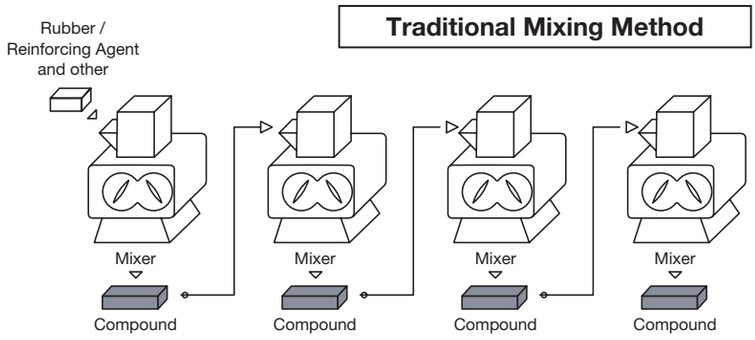
Do not mix different tyre size designations or constructions on the same axle. Always use the tyres for their intended service purpose. Please consult your YOKOHAMA distributor for details as some vehicle operations require specialised tyre fitment. All technical information contained in these pages may be subject to change.

ADVANCED MIXING METHOD EXPLAINED

Lower Temperature / Higher Torque Mixing Method

An advanced compound mixing method has increased the durability of tyres.

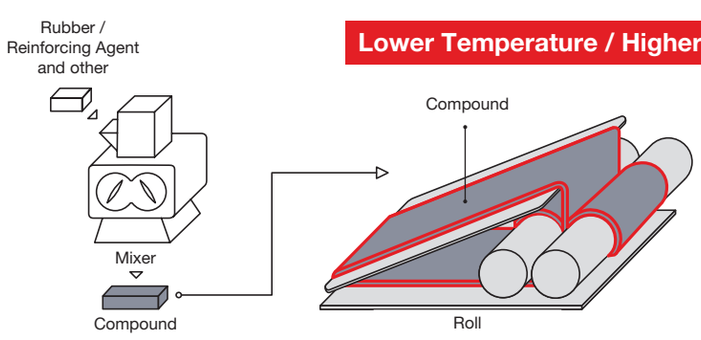
Traditional Mixing Method



Multi-Step Mixing

The traditional multi-step mixing process mixes and kneads the rubber simultaneously. The long periods of mixing result in high temperatures, which tend to cause deterioration in the quality of the rubber.

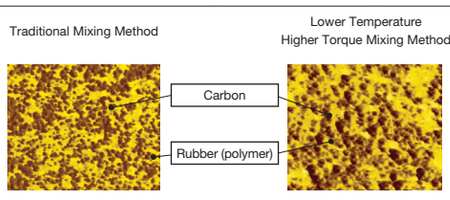
Lower Temperature / Higher Torque Mixing Method



One Step Mixing & Roll Mixing

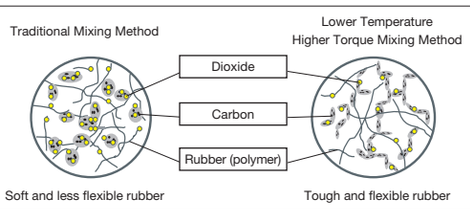
The advanced method performs the kneading of the rubber on rollers after the rubber has been mixed. This process results in lower temperatures. It thus minimises the splitting of the rubber's long polymer chains and promotes a more even distribution of the carbon black particles, which are used as a reinforcing agent.

Microscopic imagery reveals the improvement in rubber composition that results from the Lower Temperature & Higher Torque Mixing Method



The distribution of carbon particles is more even in rubber produced with the Lower Temperature / Higher Torque Mixing Method process than in traditionally processed rubber.

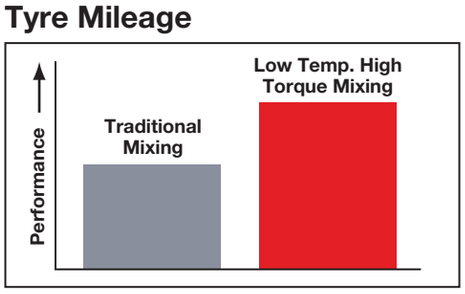
Rubber Structure Model



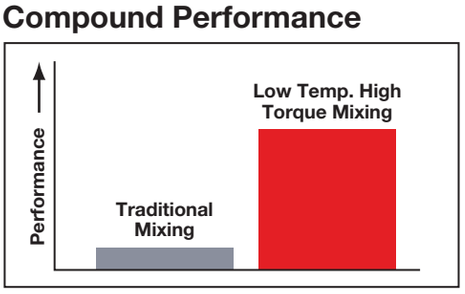
The Lower Temperature & Higher Torque Mixing Method significantly reduces dioxide obstacles and disperses carbon in rubber evenly.

Performance

Tyre Mileage



Compound Performance



INTRODUCING YOKOHAMA TECHNOLOGIES

The BluEarth Concept

BluEarth. The Product Engineering Philosophy, which focuses on the idea of responsibility towards the Environment and Society constantly.

Our Philosophy, to keep the focus on the responsibility towards the Environment and Society.



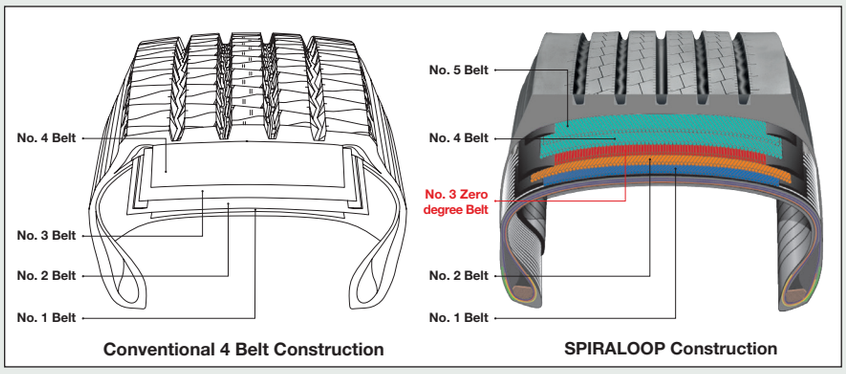
M+S

BluEarth 707L

The SPIRALOOP Concept

The innovative “SPIRALOOP” Belt Structure has excellent casing durability, minimises casing growth and improves uneven wear performance. It contains an advanced, joint-less, zero degree circumferential belt, added in between the conventional 2nd and 3rd belt.

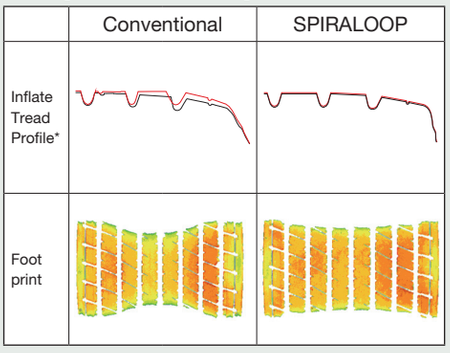
Construction



Conventional 4 Belt Construction

SPIRALOOP Construction

Comparison Example

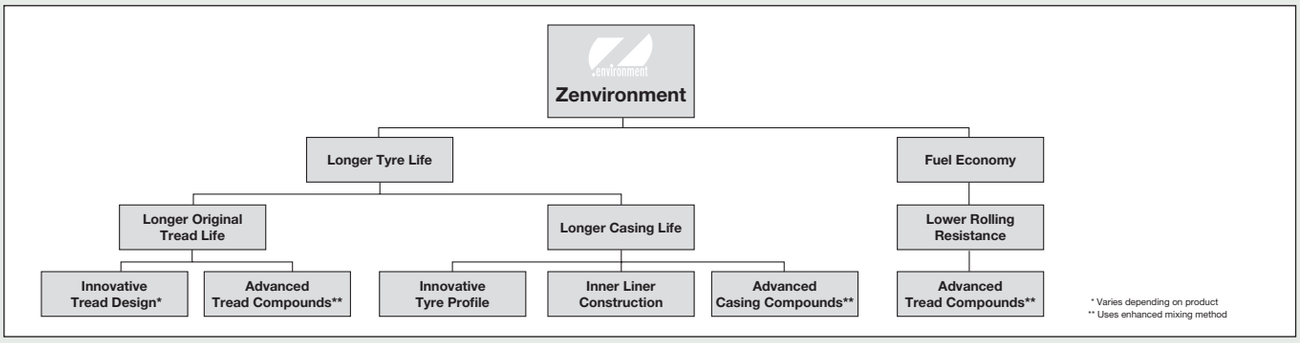


* red line: Inflated

example case of size 435/45R22.5

The ZENVIRONMENT Concept

Technological advancements in tyres can reduce the environmental impact in several ways. YOKOHAMA has led innovation in tyre technology for improving fuel economy, which reduce emissions and curtail the output of the greenhouse gas carbon dioxide. Our Zenvironment line of truck and bus tyres incorporates further progress in these areas:



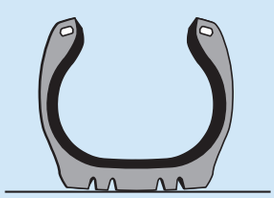
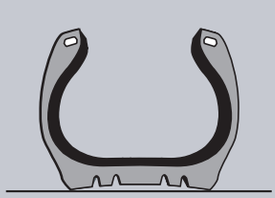
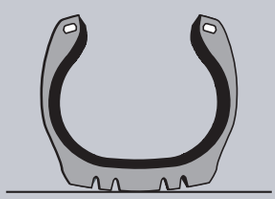
For information about the EU Tyre Label, Tyre labelling data and further technical details, see the corresponding sections inside this catalogue or price list respectively, or refer to the YOKOHAMA website www.yokohama.eu

RECOMMENDATIONS FOR YOUR TYRE

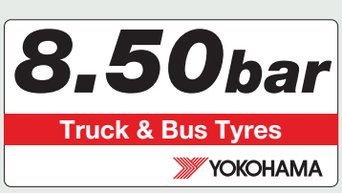
Inflation Pressure

Truck tyres for commercial vehicles must be inflated to a pressure relevant to the load, speed and condition of use to produce maximum performance in aspects such as even wear (long mileage), traction and handling stability (riding comfort) in addition to safety issues*.

* Check YOKOHAMA's recommendations for inflation pressures in the corresponding section of this catalogue or price list respectively.

		
CORRECT INFLATION	**UNDERINFLATION**	**OVERINFLATION**
maintains even road contact for maximised performance.	causes abnormal tyre deflection, which builds up excessive heat, and risk of failure. It also causes excessive wear on the shoulder.	increases the risk of impact breaks and other road hazard damage. It also causes excessive wear in the centre.

Tyre pressures should be checked on cold tyres at least every two weeks, using a calibrated pressure gauge. Tyres with lower profiles must be checked strictly due to their less visible sidewall deflection.





YOKOHAMA provides "inflation pressure stickers" with several different values to help customers maintain proper pressures. Please contact your YOKOHAMA distributor for details.

Retreading

Every new YOKOHAMA truck tyre product is designed and constructed for better retreadability.
In addition, YOKOHAMA casings are backed up by the special "CASING WARRANTY" available.
Please consult your YOKOHAMA distributor for details.

Regrooving

Regrooving must be undertaken when only between 2 to 3 mm of the original tread pattern remains, in accordance with YOKOHAMA's recommendations in this booklet.

Winter Tyre Application

Winter tyres are normally designed with a fine, deep and wide tread to ensure traction on wintry roads. These products are not suited to hot and rough road surfaces. YOKOHAMA strongly recommends fitment of brand-new winter tyres for each winter season.

RECOMMENDATIONS REGARDING TYRE WEAR

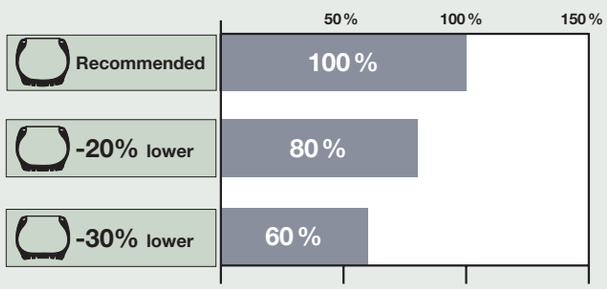
Tyre Wear Factors

FUEL ECONOMY & THE ENVIRONMENT

These tables indicate factors of tyre wear. If all factors are taken into account and applied correctly according to your vehicle and situation, this will result in better fuel economy and aid in the protection of our environment.

INFLATION PRESSURE

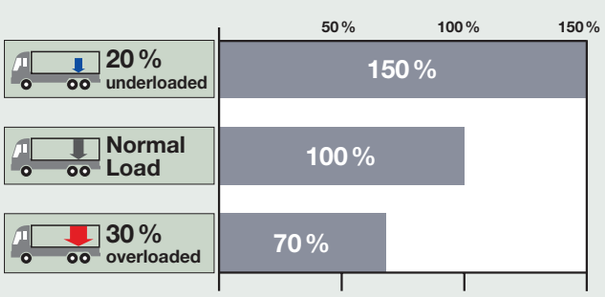
• Tyre Mileage Index in %



The proper inflation pressure is essential for the correct performance of all kinds of tyre. YOKOHAMA recommends proper maintenance and utilisation of a calibrated gauge / inflation pressure sticker or TPMS.

CARRYING LOAD

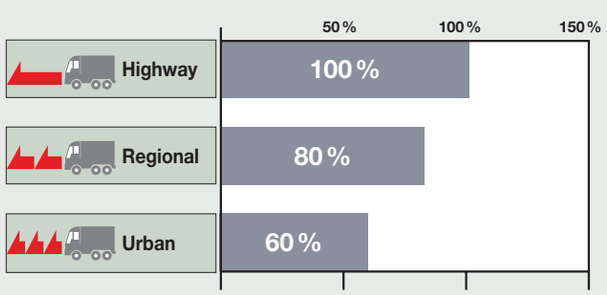
• Tyre Mileage Index in %



Tyre wear depends upon the load carried.
YOKOHAMA recommends maintaining the correct axle and payloads.

STOP / GO OPERATION (Braking Abrasion)

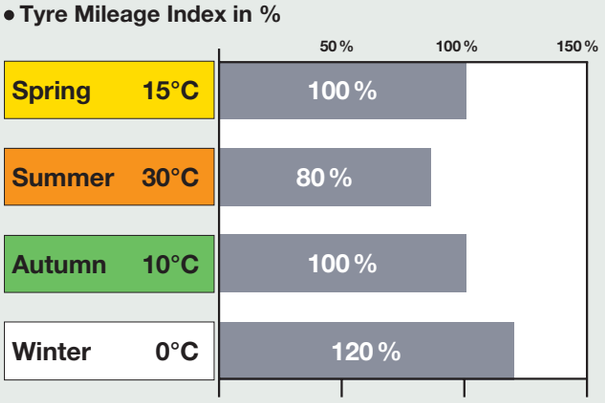
• Tyre Mileage Index in %



Rapid or frequent “stop and go” traffic results in additional stress and abrasion to tyres.
YOKOHAMA recommends mild steering & braking especially while turning or curving in urban and local use.

SEASONAL / AMBIENT TEMPERATURES

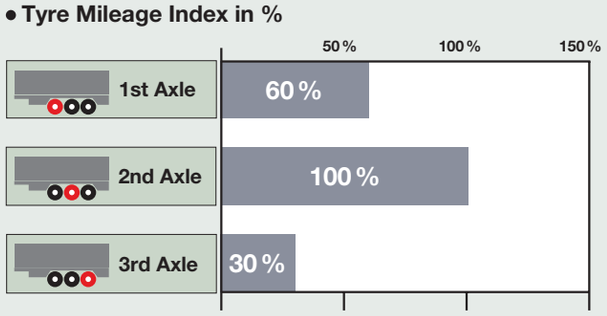
• Tyre Mileage Index in %



Tyre wear is temperature dependent. YOKOHAMA recommends carrying out a tyre service before the winter season.

TRAILER AXLES

• Tyre Mileage Index in %



Trailer tyre wear is dependent on the sideforce of the axles of trailers.
YOKOHAMA recommends proper tyre rotation when utilising retreaded tyres.



Steer Axle // All-Position

BluEarth 110L

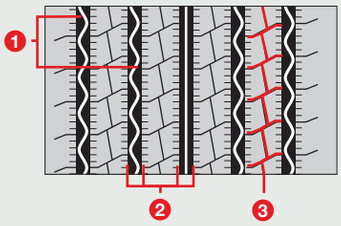
YOKOHAMA's advanced steer and all-position tyre, with innovative BluEarth concept and SPIRALOOP technology for highway operations.

- Zero degree joint-less circumferential direction belt controls the shoulder area casing growth to increase anti-irregular wear performance and shoulder area durability.
- Contact Pressure Equaliser Sipe to optimise rib contact pressure for anti uneven wear, handling and braking.
- Wavy Grooves to reduce stone damage and to improve uneven wear performance.
- SC-SIPE (Stress-Wear Control Sipe) design to reduce abnormal wear on rib edges.

M+S Depend on sizes

SC Sipe

SPIRALOOP Depend on sizes



1. **Wavy Grooves to reduce stone damage and to improve uneven wear performance**
2. **SC-Sipe to optimise rib edge contact pressure and to reduce rib edge uneven wear**
3. **Contact Pressure Equaliser Sipe to optimise rib contact pressure for anti uneven wear, handling and braking**



EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A–B 67–73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

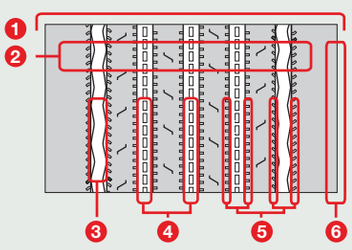
Steer Axle // All-Position

107ZL

Advanced highway steer and all-position tyre, engineered with innovative "Zenvironment" technologies for ordinal highway operations.

- Advanced tread compound under "Zenvironment" technology aims at mileage and fuel economy.
- YOKOHAMA's casing compound under "Zenvironment" technology aims to extend casing life for multi-retread.
- 6-rib tread design with over 6,000 sipes. This premium feature aims to provide water evacuation and uniform wear.

SC Groove SC Sipe .environment



1. **Tread design with special contoured design of the groove walls**
2. **Tread Compound / Deep Tread**
3. **Wavy Grooves**
4. **Stone Ejectors**
5. **SC (Stress-Wear Control)-Sipe**
6. **SC (Stress-Wear Control)-Groove**



EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 71

These values are for the full size range of these products. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Highway / Coach).



4 grooves pattern version

Steer Axle // All-Position

RY407

Steer and all-position tyre, designed with YOKOHAMA's advanced technologies for highway operation.

- Advanced 6-rib tread design for even wear and traction.
- Casing construction to provide durability.



EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	A 70

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Drive Axle

BluEarth 707L

Advanced long-haul drive axle tyre with innovative BluEarth concept for highway operations.

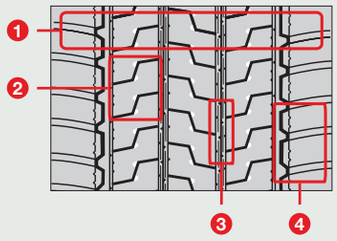
- Tread compound aiming for tread life and traction.
- Rigid shoulder ribs with shallow open lugs to improve uneven wear performance.
- Small pitch “Z-Blocks” for anti irregular wear performance and traction.
- Step grooves to reduce stone damage.



EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	A 72–73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

M+S



1. Directional pattern
2. Small pitch “Z-Block”
3. Step grooves
4. Rigid shoulder ribs with shallow open lugs

Drive Axle

TY517E

Drive axle tyre designed with YOKOHAMA’s advanced technologies for highway operation.

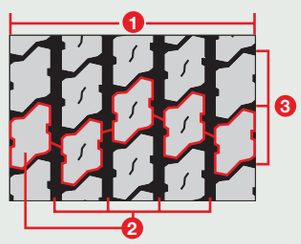
- Deep & wide tread design.
- Alternated tread block design with 4-straight wide grooves to increase even wear.
- Shallow lug grooves at shoulder to minimise shoulder heel & toe wear.



EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 70

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

M+S



1. Deep & wide tread
2. Alternated tread block with 4-straight wide grooves
3. Shallow lug grooves

Trailer Axle

RY357

Wide base highway/regional use tyre for the trailer axles. The RY357 aims to deliver long mileage & shoulder wear resistance on trailer axle use.

- 5-rib tread design to enhance even wear.
- Specially constructed casing makes this tyre well-suited for retreading.



EU Label Range	
Fuel Efficiency Class	B–C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 68–69

These values are for the full size range of these products. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Highway / Regional).

M+S
Depend on sizes

Trailer Axle

RY253

Wide base highway/regional use tyre engineered primarily for the trailer axles.

- 6-rib tread design to enhance even wear.
- Specially constructed casing makes this tyre well-suited to retreading.



EU Label Range	
Fuel Efficiency Class	B
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 71–72

These values are for the full size range of these products. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Highway / Regional).



Steer Axle // All-Position

126S



YOKOHAMA's advanced steer and all-position tyre, designed for regional* operations.

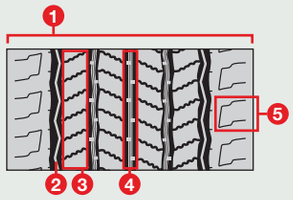
- Serpentine and wavy grooves for traction, reduced shoulder step-down and irregular wear.
- Deep wavy sipes and shallow grooves for optimized contact pressure and anti-uneven-wear performance.
- Straight driving stability by rigid shoulder ribs with shallow design groove.
- Reduced stone bite and damage due to wavy grooves and stone ejectors.

EU Label Range	
Fuel Efficiency Class	C–D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 68–70

*Some sizes are for highway use.

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section under the respective different categories (Regional / Highway).

M+S



1. **Wide tread design**
2. **Serpentine and wavy grooves**
3. **Deep wavy sipes and shallow grooves**
4. **Wavy grooves and stone ejectors**
5. **Rigid shoulder ribs with shallow design groove**

Steer Axle // All-Position

124R (124RA*)



Steer axle and all-position* tyre, developed for national and regional transport service.

- Wide tread design for tread life and traction. Serpentine and wavy grooves to reduce premature shoulder step-down and irregular wear.
- Deep wavy sipes and shallow grooves to improve traction and contact pressure/uneven wear performance.
- Wavy grooves and stone ejectors aiming to minimise stone holding and penetration. Rigid shoulder ribs with shallow design groove to improve shoulder step-down wear and straight driving stability.

124R

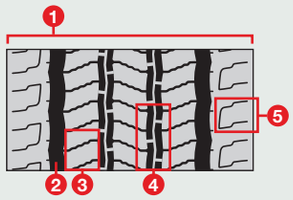
EU Label Range	
Fuel Efficiency Class	C–D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 70–71

124RA

EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A 71

These values are for the full size range of these products. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section (under the respective different categories [Regional / Coach] for 124R).

M+S



1. **Wide tread design**
2. **Serpentine and wavy grooves**
3. **Deep wavy sipes and shallow grooves**
4. **Wavy grooves and stone ejectors**
5. **Rigid shoulder ribs with shallow design groove**

Steer Axle // All-Position

104ZR

SC Sipe .environment



"Zenvironment" steer axle and all-position tyre for national and regional transport service.

EU Label Range	
Fuel Efficiency Class	C–D
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A 70

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Steer Axle // All-Position

RY103



All-purpose, steer axle and all-position tyre for regional/ city service.

EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A–B 69–73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Drive Axle

704R

M+S



Drive axle tyre, engineered with advanced technologies for regional operation.

EU Label Range	
Fuel Efficiency Class	D–E
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A–B 72–74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Trailer Axle

Y785R

All purpose low platform trailer tyre.

- 5-rib tread design with straight grooves to enhance even wear.



EU Label Range	
Fuel Efficiency Class	C–D
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	B 73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Trailer Axle

121T



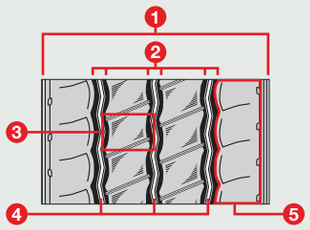
Trailer Axle tyre designed for regional operations.

- Three grooves tread pattern design.
- Wavy grooves to minimise stone holding.
- Concave shallow grooves to provide traction.
- Step grooves to reduce stone bite and damage.
- Rigid shoulder ribs with shallow design groove to improve shoulder step-down wear and straight driving stability.

EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A 68–69

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

M+S



1. **Three grooves tread pattern**
2. **Wavy grooves**
3. **Concave shallow groove**
4. **Step grooves**
5. **Rigid shoulder ribs with shallow design groove**

Trailer Axle

125T



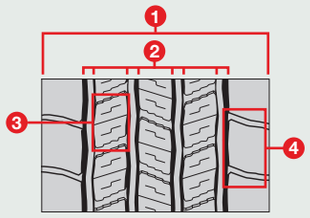
Tyre for regional service and trailer use.

- Designed for tread life and traction.
- Four main wavy grooves to reduce stone damage and to provide traction.
- Rigid shoulder ribs with shallow open lugs to improve shoulder step-down wear.
- Shallow sipes and open grooves for traction and contact pressure, aiming to avoid uneven wear performance.

EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	B 73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

M+S



1. **Advanced tread pattern**
2. **Four main wavy grooves**
3. **Shallow sipes and open grooves**
4. **Rigid shoulder ribs with shallow open lugs**

Trailer Axle

RY357



Wide base highway/regional use tyre for the trailer axles.
The RY357 aims to deliver long mileage & shoulder wear resistance on trailer axle use.

- 5-rib tread design to enhance even wear and traction.
- Specially constructed casing makes this tyre well-suited for retreading.

EU Label Range	
Fuel Efficiency Class	B–C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 68–69

These values are for the full size range of these products. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Regional / Highway).

M+S
Depend on sizes

Trailer Axle

RY253



Wide base highway/regional use tyre engineered primarily for the trailer axles.

- 6-rib tread design to enhance even wear & traction.
- Specially constructed casing makes this tyre well-suited to retreading.

EU Label Range	
Fuel Efficiency Class	B
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 71–72

These values are for the full size range of these products. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Regional / Highway).

City Bus ▸ Steer Axle // All-Position

120U



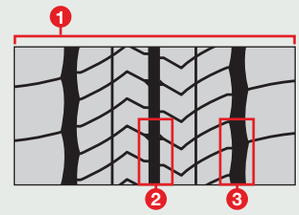
Steer axle and all-position tyre for city bus operation.

- Wide tread design for ground contact, even wear and traction.
- Step grooves and wavy grooves to reduce stone damage.
- Side wear indicator showing the usage limit.

EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 69

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

M+S



1 Wide tread design
2 Step Grooves
3 Wavy Grooves

City Bus ▸ Steer Axle // All-Position

RY537



Steer axle and all-position tyre for city bus operation.

- Deep tread with 4-rib design for mileage.
- Special sidewall protection to minimise tyre damage & abrasion from the kerb.

EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 74–75

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

M+S

Coach ▸ Steer Axle // All-Position

124R



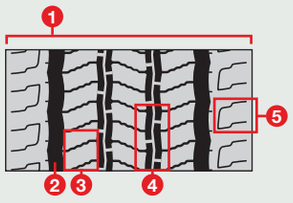
Steer axle and all-position tyre, developed for national and regional transport service.

- Wide tread design for tread life and traction. Serpentine and wavy grooves to reduce premature shoulder step-down and irregular wear.
- Deep wavy sipes and shallow grooves to improve traction and contact pressure/uneven wear performance.
- Wavy grooves and stone ejectors aiming to minimise stone holding and penetration. Rigid shoulder ribs with shallow design groove to improve shoulder step-down wear and straight driving stability.

EU Label Range	
Fuel Efficiency Class	C–D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	A 70–71

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Coach / Regional).

M+S



1 Wide tread design
2 Serpentine and wavy grooves
3 Deep wavy sipes and shallow grooves
4 Wavy grooves and stone ejectors
5 Rigid shoulder ribs with shallow design groove

Coach ▸ Steer Axle // All-Position

107ZL



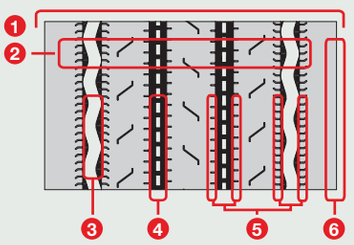
Innovative highway steer and all-position tyre, engineered with innovative "Zenvironment" technologies for ordinal highway operations.

- Advanced tread compound under "Zenvironment" technology aims at mileage and fuel economy.
- YOKOHAMA's casing compound under "Zenvironment" technology aims to extend casing life for multi-retread.
- The 5-rib tread design is perfect for steer position. With over 4,000 sipes, this premium feature aims to provide water evacuation and uniform wear.

EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 71

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Coach / Highway).

SC Groove SC Sipe .environment



1 Tread design with special contoured design of the groove walls
2 Tread Compound / Deep Tread
3 Wavy Grooves
4 Stone Ejectors
5 SC (Stress-Wear Control)-Sipe
6 SC (Stress-Wear Control)-Groove

Steer Axle // All-Position

MY507

M+S

All-position tyre for on & off construction-site operation.

- Deep & wide tread to increase mileage.
- Stone ejectors & V-shaped grooves to decrease stone retention and to enhance the tyre's retreadability.



EU Label Range	
Fuel Efficiency Class	D–E
Wet Grip Class	A–B
External Rolling Noise Class and Measured Value (dB)	B 72–74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (On and Off Road / Winter).

Steer Axle // All-Position

MY547

M+S

All-position tyre for on & off construction-site operation.

- Deep tread to produce mileage.
- 3 zig zag centre grooves with shoulder lugs for traction and to enhance smooth wear in local operation.



EU Label Range	
Fuel Efficiency Class	C
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 71–72

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Drive Axle

301C

M+S

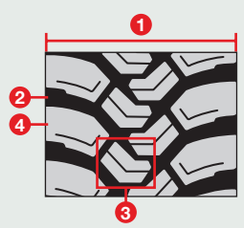
Advanced drive axle tyre for on and off construction-site operation.

- Directional pattern with wide tread and deep groove design for tread life and traction.
- Expanding to centre Deep Lug groove.
- Aims to improve straight driving performance and durability by continuously arranged centre blocks design.
- Shoulder block shape designed to support off-road traction.



EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A 72–73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.



1. Wide tread and deep groove design
2. Expanding to center Deep Lug groove
3. Continuously arranged center blocks design
4. Shoulder block shape design

Drive Axle

LY717

M+S

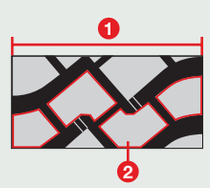
Drive axle tyre for on & off construction-site operation engineered with advanced YOKOHAMA technologies.

- Deep & wide tread to increase the mileage.
- Tapered tread grooves to reduce stone retention.



EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.



1. Deep & wide tread
2. Aggressive 4-block tread design

Trailer Axle // Steer Axle

505C

M+S

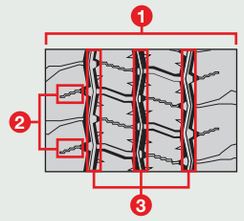
Advanced On and Off Road tyre for trailer axle and steer axle use.

- Tread pattern with wide block and rib for tread life, traction and braking.
- Wavy shallow lateral grooves for traction.
- Three wide circumferential grooves to provide water evacuation.
- Funnel shaped step grooves and high-strength belt construction for durability and the prevention of stone damage.



EU Label Range	
Fuel Efficiency Class	B
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	B 72

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (On and Off Road / Winter).



1. Wide tread pattern
2. Wavy shallow lateral grooves
3. Three wide circumferential grooves



Steer Axle // All-Position

901ZS

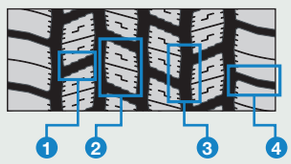
Innovative "Zenvironment" winter steer axle and all-position tyre.

- Traction block tread pattern with multi-sipes for traction.
- Rigid shoulder ribs with shallow open lugs to deliver even wear on the steer axle.
- SC-Sipes on block edges for even wear.
- YOKOHAMA's winter tyre tread compound for mileage & traction.



EU Label Range	
Fuel Efficiency Class	D–E
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	B 74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.



1. Specially-engineered Sub-groove Design
2. Traction Blocks with Multi-sipes
3. SC (Stress-Wear Control)-Sipes on block edges
4. Rigid Shoulder Ribs with Shallow Open Lugs

Steer Axle // All-Position

TY287

Multi-purpose tyre engineered with advanced YOKOHAMA technologies.

- The tread compound aims for traction and mileage.



EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	B 74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.

Drive Axle

902W

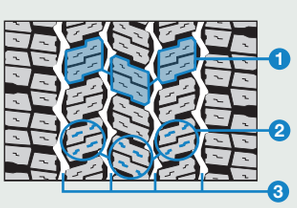
Winter drive axle tyre engineered with innovative "Zenvironment" technologies.

- Advanced designed tread pattern with Z shape block and Z shape closed sipe for traction.
- Waved grooves to reinforce the block stiffness in the lateral direction.



EU Label Range	
Fuel Efficiency Class	E
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	A 73

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.



1. Z Shape Block for traction
2. Z Shape Closed Sipe for traction
3. Waved Groove to reinforce the lateral block stiffness

Drive Axle

SY397

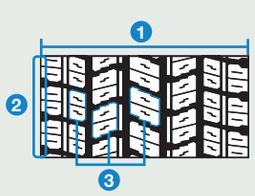
Winter drive axle tyre developed using advanced technologies from YOKOHAMA.

- Deep & wide tread design.
- Aggressive tread pattern with multi sipes to deliver traction.



EU Label Range	
Fuel Efficiency Class	E
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	B 74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.



1. Deep & wide tread design
2. Semi-round shoulders
3. Aggressive traction pattern with multi sipes

Trailer Axle

508T

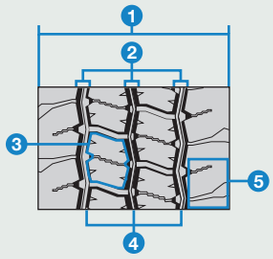
Winter trailer tyre with advanced YOKOHAMA technologies

- Tread pattern with three grooves.
- Wavy grooves for traction and less stone holding.
- Rigid center blocks with shallow lug grooves.
- Step grooves to protect the bottom of the grooves from stones.
- Rigid shoulder ribs with shallow lug groove to improve shoulder wear.

EU Label Range	
Fuel Efficiency Class	D
Wet Grip Class	B
External Rolling Noise Class and Measured Value (dB)	B 72

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section.





1. **Tread Pattern with three grooves**
2. **Wavy grooves**
3. **Rigid center blocks with Shallow lug groove**
4. **Step grooves**
5. **Rigid shoulder ribs with shallow lug groove**

Trailer Axle

505C

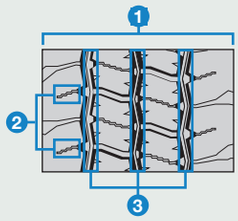
Advanced On and Off Road Winter tyre for trailer axle use.

- Tread pattern with wide block and rib.
- Wavy shallow lateral grooves for traction.
- Three wide circumferential grooves for water evacuation.
- Funnel shaped step grooves and high-strength belt construction, aiming for durability and the prevention of stone damage.

EU Label Range	
Fuel Efficiency Class	B
Wet Grip Class	B–C
External Rolling Noise Class and Measured Value (dB)	B 72

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Winter / On and Off Road).





1. **Wide tread pattern**
2. **Wavy shallow lateral grooves**
3. **Three wide circumferential grooves**

Trailer Axle

MY507

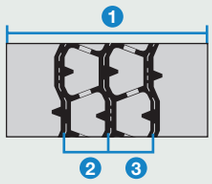
Winter trailer tyre engineered with YOKOHAMA's advanced technologies.

- Deep & wide tread to increase mileage.
- Stone ejectors & V-shaped grooves to decrease stone retention and to enhance the tyre's retreadability.

EU Label Range	
Fuel Efficiency Class	D–E
Wet Grip Class	A–B
External Rolling Noise Class and Measured Value (dB)	B 72–74

These values are for the full size range of this product. The special size range offered can vary from country to country. For detailed information on the sizes offered and the relevant parameters in your country, please refer to the table section, under the respective different categories (Winter / On and Off Road).

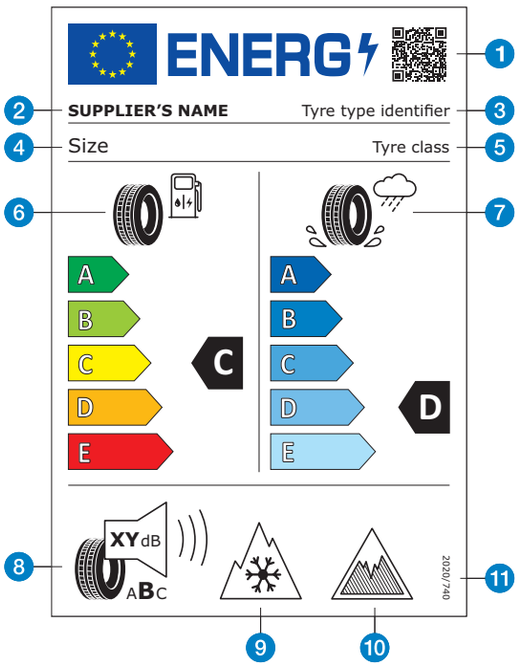




1. **Deep & wide tread**
2. **3 waved centre grooves**
3. **Stone ejectors & V-shaped grooves**

***Please note:** In this winter section, tyres bearing the snow grip pictogram (or Alpine Symbol or 3PMSF symbol) according to Regulation (EU) R740/2020, thus tyres which satisfy the minimum snow grip index values set out in UNECE Regulation No 117, are shown as well as tyres with the M+S marking. For information about the EU Tyre label, Tyre labelling data and further technical details, please refer to the corresponding section in this catalogue or price list respectively, or refer to the YOKOHAMA website www.yokohama.eu

EU Tyre Label



Since 2012 the EU Tyre Energy Label provides a clear and common classification of tyre performance for rolling resistance, braking on wet surfaces and external noise. The labels help consumers make informed decisions when they are buying tyres as they can easily set their priority choice based on the parameters.

Regulation (EC) No 1222/2009 first introduced the obligation of placing car and van tyres on the EU market with a sticker showing the label. That regulation was repealed and replaced by Regulation (EU) 2020/740 with start of application on 1 May 2021. It established a framework for the provision of harmonised information on tyre parameters through labelling to allow end-users to make an informed decision when purchasing tyres, for the purpose of increasing economic and environmental efficiency of road transport by promoting fuel-efficient, safe tyres with low noise levels.

Tyres are no longer allowed in classes F and G for rolling resistance and for wet grip, which is why the new scale has only 5 classes (A to E). The new energy symbols better suggest that the fuel efficiency is applicable to both internal combustion vehicles and to electric ones. In the bottom part, the external rolling noise class is always indicated, including the measured value of external noise level in decibels.

1. QR Code
2. Trade name or trademark of the supplier
3. Tyre type identifier = Article number in case of YOKOHAMA
4. Tyre size designation, load capacity index and speed category symbol
5. Tyre class: i.e. C1, C2 or C3
6. Fuel efficiency pictogram, scale and performance class
7. Wet grip pictogram, scale and performance class
8. External rolling noise pictogram, value (expressed in dB and rounded to the nearest integer) and performance class
9. Snow grip pictogram
10. Ice grip pictogram (C1 tyres only)
11. The serial number of this Regulation: "2020/740"



Fuel Efficiency Class
The fuel efficiency class ranges from A (most efficient) to E (least efficient). A top class tyre has less rolling resistance and therefore requires less energy to move the vehicle. This translates into lower energy costs (fossil fuels or electricity).



Wet Grip Class
The wet grip describes a tyre's performance under wet conditions and its classes ranges as well from A (shorter braking distance on wet asphalt) to E (longest).



External Rolling Noise Class and Measured Value (dB)
The external rolling noise class ranges from A (less noise outside the vehicle) to C (highest noise). The external rolling noise, caused by tyres, is measured in decibels. This noise is different from the "cavity noise", which is the noise transmitted from the rims to the interior of the car.

Under the new regulation, in addition to the previous tyre label, there are also options for including an icon relating to grip on icy conditions and/or severe snow conditions in the bottom part of the tyre label (next to the external rolling noise pictogram) for tyres which satisfy the minimum snow grip index values or the relevant minimum ice grip index values.



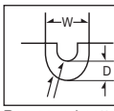
Tyres suitable for severe snow conditions bear the snow grip pictogram ("3 Peak Mountain Snowflake") or "alpine" symbol that is also present on the sidewall of such tyres. Nordic winter tyres (tyre class C1) for use on iced surfaces will feature a symbol (ice grip pictogram) that represents an ice stalagmite.

The QR code, to read with a smartphone or other suitable reader, is intended to provide this and additional information for each individual tyre type identifier via a link to the public part of the new European product database for Energy Labelling (EPREL). A link to this database is also provided via the YOKOHAMA website (www.yokohama.eu).
You can also get the information of the database in printed form from your tyre dealer.

Other components of the label are the trade name or the trade mark of the supplier, the tyre type identifier, the tyre size designation, the load-capacity index and the speed category symbol, the tyre class and furthermore the serial number of the regulation (in the bottom part of the tyre label).

For any updates on the above printed version or for information about archived labelling data, please refer to our website www.yokohama.eu

Regrooving Procedure

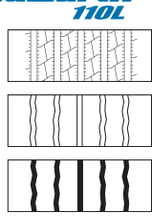


W: Regrooving Width
D: Regrooving Depth

Regrooved pattern is shown in black.
Recut depth listed is maximum value.
Recut width listed has +-1 mm tolerance.

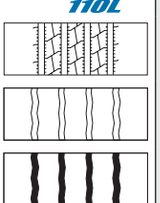
Highway

BluEarth 110L



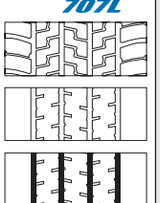
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
355/50R22.5	2.5 mm	7.0 mm
315/60R22.5	2.5 mm	7.0 mm

BluEarth 110L



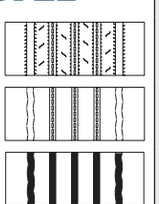
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/80R22.5	2.5 mm	7.0 mm

BluEarth 707L



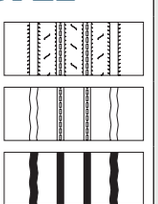
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/60R22.5	2.0 mm	7.0 mm
315/60R22.5	2.0 mm	7.0 mm
315/70R22.5	2.0 mm	7.0 mm
315/80R22.5	2.0 mm	7.0 mm

107ZL



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.5 mm	7.0 mm

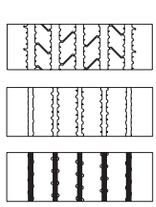
107ZL



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

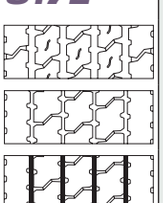
Highway

RY407



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/60R22.5	2.5 mm	7.0 mm

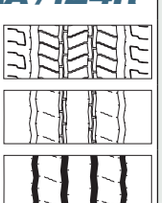
TY517E



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	3.0 mm	7.0 mm

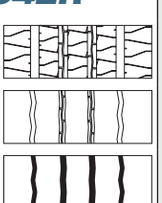
Regional

124RA*/124R



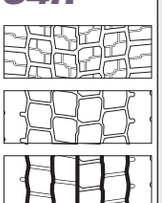
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
205/75R17.5*	2.5 mm	7.0 mm
215/75R17.5*	2.5 mm	7.0 mm
225/75R17.5*	2.5 mm	7.0 mm
235/75R17.5*	2.5 mm	7.0 mm
245/70R17.5*	2.5 mm	7.0 mm
245/70R19.5*	2.5 mm	7.0 mm
245/70R19.5*	2.5 mm	7.0 mm
265/70R19.5*	2.5 mm	7.0 mm
285/70R19.5*	2.5 mm	7.0 mm
315/60R22.5	2.5 mm	7.0 mm
315/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

104ZR



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
9R22.5	2.5 mm	7.0 mm
10R22.5	2.5 mm	7.0 mm
11R22.5	2.5 mm	7.0 mm
12R22.5	2.5 mm	7.0 mm

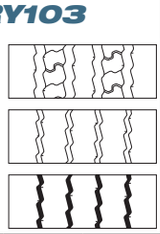
704R



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
245/70R17.5	2.0 mm	7.0 mm
205/75R17.5	2.0 mm	7.0 mm
215/75R17.5	2.0 mm	7.0 mm
225/75R17.5	2.0 mm	7.0 mm
235/75R17.5	2.0 mm	7.0 mm
265/70R19.5	2.0 mm	7.0 mm
285/70R19.5	2.0 mm	7.0 mm
295/60R22.5	2.0 mm	7.0 mm
315/60R22.5	2.0 mm	7.0 mm
315/70R22.5	2.0 mm	7.0 mm
295/80R22.5	2.0 mm	7.0 mm
315/80R22.5	2.0 mm	7.0 mm

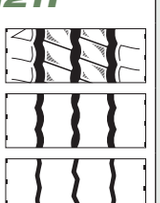
Regional

RY103



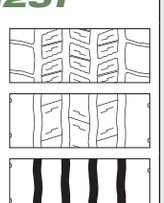
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	2.5 mm	7.0 mm
275/80R22.5	2.5 mm	7.0 mm

121T



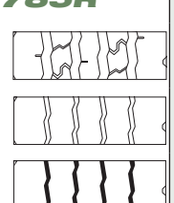
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
215/75R17.5	2.5 mm	7.0 mm
235/75R17.5	2.5 mm	7.0 mm
245/70R17.5	2.5 mm	7.0 mm
265/70R19.5	3.0 mm	7.0 mm
285/75R19.5	2.5 mm	7.0 mm

125T



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm

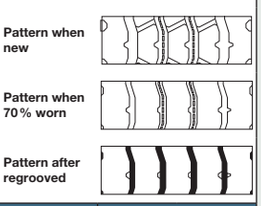
Y785R



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
8.25R15	2.5 mm	7.0 mm
365/80R20	2.5 mm	7.0 mm

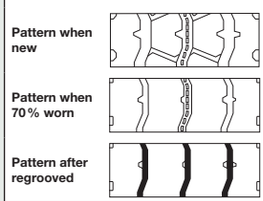
On and Off Road

MY507



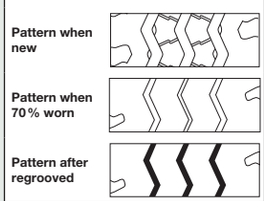
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

MY507



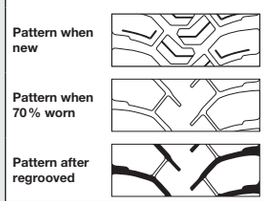
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	3.0 mm	7.0 mm
12R22.5	3.0 mm	7.0 mm
13R22.5	3.0 mm	7.0 mm

MY547



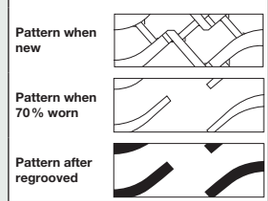
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
12.00R20	3.0 mm	7.0 mm
12.00R24	3.0 mm	7.0 mm
325/95R24	3.0 mm	7.0 mm

301C



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
13R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

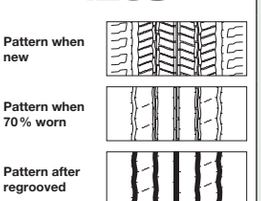
LY717



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
12.00R24	3.0 mm	7.0 mm
325/95R24	3.0 mm	7.0 mm

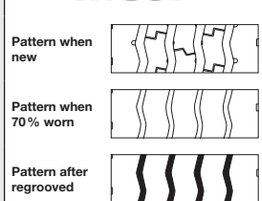
Highway/Regional

126S



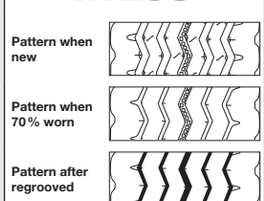
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
355/50R22.5	2.5 mm	7.0 mm
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm

RY357



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm

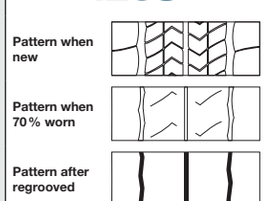
RY253



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
425/65R22.5	2.5 mm	7.0 mm
445/65R22.5	2.5 mm	7.0 mm

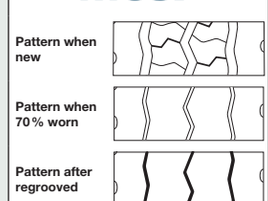
City Bus

120U



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	2.5 mm	7.0 mm

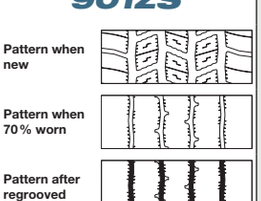
RY537



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	2.5 mm	7.0 mm
275/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm

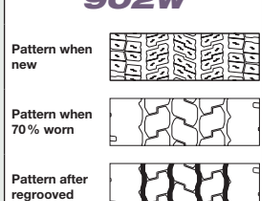
Winter

901ZS



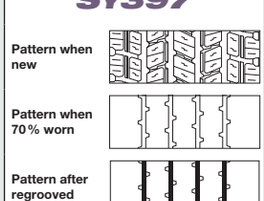
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm
275/70R22.5	2.5 mm	7.0 mm
315/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

902W



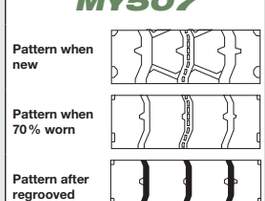
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	2.5 mm	7.0 mm
315/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

SY397



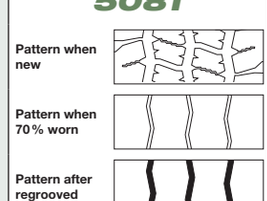
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	3.0 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

MY507



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	3.0 mm	7.0 mm

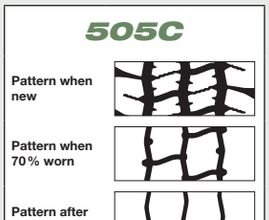
508T



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
265/70R19.5	3.0 mm	7.0 mm

Winter/On and Off Road

505C



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/65R22.5	3.0 mm	7.0 mm
425/65R22.5	2.5 mm	7.0 mm

For information about the EU Tyre Label, Tyre labelling data and further technical details, see the corresponding sections inside this catalogue or price list respectively, or refer to the YOKOHAMA website www.yokohama.eu

LOAD AND INFLATION PRESSURE TABLE (I)

Inch	Size	LI	Single / Dual	kPa / bar / psi							
				500	550	600	625	650	675	700	725
				5.00	5.50	6.00	6.25	6.50	6.75	7.00	7.25
				73	80	87	91	94	98	102	105
15	7.50R15	135/133	S					3520		3735	
			D					6650		7055	
	8.25R15	142/141	S					4275		4540	
			D					8310		8820	
17.5	245/70R17.5	146/146	S								
			D								
		143/141	S								
			D								
		136/134	S					3615		3835	
			D					6840		7260	
	205/75R17.5	124/122	S			2675		2855		3030	
			D			5020		5350		5680	
	215/75R17.5	135/133	S							3735	
			D							7055	
		126/124	S	2600	2805	3005		3205		3400	
			D	4890	5275	5655		6030		6400	
	225/75R17.5	129/127	S	2750	2965	3180		3390		3600	3700
			D	5200	5610	6015		6415		6805	7000
	235/75R17.5	145/145	S							4850	
			D							9705	
		143/141	S								
			D								
		132/130	S					3475		3685	
			D					6600		7005	
19.5	245/70R19.5	136/134	S					3700		3930	
			D					7010		7435	
		133/131	S			3445		3675		3900	
			D			6525		6955		7380	
	265/70R19.5	143/141	S							4665	
			D							8820	
		140/138	S			4075		4345		4610	
			D			7690		8200		8700	
	285/70R19.5	150/148	S								
			D								
		146/144	S								
			D								
20	12.00R20	154/150	S							6420	
			D							11470	
	365/80R20	160	S								
		158	S								
22.5	9R22.5	136/134	S					3700		3930	
			D					7010		7435	
	10R22.5	144/142	S							4795	
			D							9075	
	11R22.5	151/148	S							5905	
			D							10785	
		148/145	S							5395	
			D							9930	
	12R22.5	152/148	S							6080	
			D							10785	
	13R22.5	156/150	S							6690	
			D							11210	
		154/150	S							6420	
			D							11470	
	355/50R22.5	156	S								
	295/60R22.5	150/147	S								
			D								
	315/60R22.5	154/148	S								
			D								
		152/148	S								
			D								
	275/70R22.5	152/148	S								
			D								
		150/148	S								
			D								
		148/145	S								
			D								

kPa / bar / psi						
750	775	800	825	850	875	900
7.50	7.75	8.00	8.25	8.50	8.75	9.00
109	112	116	120	123	127	131
3945		4155		4360		
7455		7850		8240		
4795		5050		5300		
9320		9810		10300		
5185		5460		5730		6000
10370		10920		11465		12000
4710		4960		5205		5450
8900		9375		9840		10300
4055		4270		4480		
7670		8080		8480		
3200						
6000						
3945		4155		4360		
7455		7850		8240		
5125		5400		5665	5800	
10255		10800		11335	11600	
4820		5075		5325	5450	
9105		9585		10065	10300	
3895	4000					
7405	7600					
4150		4370	4480			
7855		8275	8480			
4120						
7800						
4930		5190		5450		
9320		9810		10300		
4870	5000					
9195	9440					
5790		6100		6400		6700
10890		11465		12035		12600
5185		5460		5730		6000
9680		10195		10700		11200
6785		7145		7500		
12125		12765		13400		
7780		8190		8600		9000
7345		7735		8120		8500
4150		4370	4480			
7855		8275	8480			
5065		5335		5600		
9590		10100		10600		
6245		6575		6900		
11400		12005		12600		
5700		6000		6300		
10495		11050		11600		
6425		6765		7100		
11400		12005		12600		
7070		7445		7815	8000	
11845		12475		13095	13400	
6785		7145		7500		
12125		12765		13400		
6915		7280		7640		8000
5790		6100		6400		6700
10630		11195		11750		12300
6480		6825		7165		7500
10890		11465		12035		12600
6135		6460		6785		7100
10890		11465		12035		12600
6135		6460		6785		7100
10890		11465		12035		12600
5790		6100		6400		6700
10890		11465		12035		12600
5445		5735		6020		6300
10025		10555		11080		11600

Technical Information

Speed category symbol

The speed category symbol refers to the maximum speed capabilities of the tyre. It is only valid for tyres that are properly inflated and loaded within their assigned load-capacity index.

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

Load-capacity index

The load-capacity index is the maximum load-carrying capacity of a tyre under a specific condition.

LI	kg
122	1500
123	1550
124	1600
125	1650
126	1700
127	1750
128	1800
129	1850
130	1900
131	1950
132	2000
133	2060
134	2120
135	2180
136	2240
137	2300
138	2360
139	2430
140	2500
141	2575
142	2650
143	2725
144	2800
145	2900
146	3000

LI	kg
147	3075
148	3150
149	3250
150	3350
151	3450
152	3550
153	3650
154	3750
155	3875
156	4000
157	4125
158	4250
159	4375
160	4500
161	4625
162	4750
163	4875
164	5000
165	5150
166	5300
167	5450
168	5600
169	5800
170	6000

This table shows the load-capacity (kg) per axle at tyre pressure (kPa / bar / psi) for normal operation.
Some vehicle operations require specialised inflation pressure. Please contact your YOKOHAMA distributor for details.

LOAD AND INFLATION PRESSURE TABLE (II)

Inch	Size	LI	Single / Dual	kPa / bar / psi							
				500	550	600	625	650	675	700	725
				5.00	5.50	6.00	6.25	6.50	6.75	7.00	7.25
				73	80	87	91	94	98	102	105
22.5	315/70R22.5	156/150	S								
			D								
		154/150	S								
			D								
		152/148	S							6080	
			D							10785	
	275/80R22.5	149/146	S							5565	
			D							10275	
	295/80R22.5	154/150	S							6420	
			D							11470	
		154/149	S							6420	
			D							11130	
		152/148	S							6080	
			D							10785	
	315/80R22.5	156/150	S							6850	
			D							11470	
		154/150	S					6200		6575	
			D					11075		11750	
	385/55R22.5	160	S							7360	
		158	S							7275	
	385/65R22.5	164	S								
		160	S								
		158	S								
	425/65R22.5	165	S					8510		9030	
	445/65R22.5	168	S					9035		9590	
24	12.00R24	160/156	S					7260		7705	
			D					12910		13700	
		156/153	S					6950		7375	
			D					12685		13460	
	325/95R24	162/160	S					7665		8135	
			D					14525		15410	

FOR YOUR COMFORT AND SAFETY

Tyre Selection Reference	Axle Position			Road Conditions
Type of Operation				Unpaved road rate
	Steer	Drive	Trailer	
Highway	110L, 107ZL, RY407	110L, 107ZL, RY407, 707L, TY517E	RY357, RY253	–
Regional	126S, 124R, 104ZR, RY103	126S, 124RA, 104ZR, RY103, 704R	121T, 125T, RY357, RY253, Y785R	–
City Bus	120U, RY537	120U, RY537	–	–
Coach	107ZL, 124R	107ZL, 124R	–	–
On and Off Road	MY507, MY547, 505C	MY507, MY547, 301C, LY717	505C	less than 20%
Winter	901ZS, TY287	901ZS, TY287, 902W, SY397	508T, 505C, MY507	–

* Do not mix different tyre size designations or constructions on the same axle. Always use the tyres for their intended service purpose.
* Some vehicles require specialised tyre fitment. Please consult your YOKOHAMA distributor for details.
* Under normal highway conditions, the steer tyres above can also be used on the drive axles.
* The availability of products shown in this table may vary from country to country.
  Please consult your YOKOHAMA distributor for local availability.

The local regulations for the proper usage of Car Tyres may differ from country to country. Please make sure to check foreign regulations carefully, before going abroad. Fuel saving and road safety depend heavily on the behaviour of drivers and in particular on the following: eco driving can significantly reduce fuel consumption; tyre pressure needs to be regularly checked to optimise fuel efficiency and wet grip; stopping distances must always be respected. Ice grip tyres are specifically designed for road surfaces covered with ice and compact snow, and should only be used in very severe climate conditions (e.g. cold temperatures). Using ice grip tyres in less severe climate condition (e.g. wet conditions or warmer temperatures) could result in sub-optimal performance, in particular for wet grip, handling and wear.

	kPa / bar / psi						
	750	775	800	825	850	875	900
	7.50	7.75	8.00	8.25	8.50	8.75	9.00
	109	112	116	120	123	127	131
	6915		7280		7640		8000
	11580		12195		12800		13400
	6480		6825		7165		7500
	11580		12195		12800		13400
	6425		6765		7100		
	11400		12005		12600		
	5880		6190		6500		
	10855		11430		12000		
	6785		7145		7500		
	12125		12765		13400		
	6785		7145		7500		
	11760		12385		13000		
	6425		6765		7100		
	11400		12005		12600		
	7240		7620		8000		
	12125		12765		13400		
	6950		7320	7500			
	12415		13075	13400			
	7780		8190		8600		9000
	7690		8100		8500		
	8645		9100		9555		10000
	7780		8190		8600		9000
	7690		8100		8500		
	9545		10050	10300			
	10135		10670		11200		
	8140		8575		9000		
	14475		15245		16000		
	7795	8000					
	14220	14600					
	8595		9050		9500		
	16285		17150		18000		

This table shows the load-capacity (kg) per axle at tyre pressure (kPa / bar / psi) for normal operation.
Some vehicle operations require specialised inflation pressure. Please contact your YOKOHAMA distributor for details.

USER INFORMATION: Only specially trained personnel should mount tyres. Failure to comply with these tyre demounting/mounting safety precautions can cause the bead to break and the assembly to burst with sufficient force to cause serious injury or death.

- Always deflate tyre completely before removing lock or side rings.
- Never use wheels of different manufacturers or different sizes.
- Never mount tyres on wheels which are damaged or not smooth and clean.
- Always clean and inspect wheel. Lubricate beads (and rim flanges for tubeless types), tube and rim side of flap with an approved rubber lubricant.
- Always be sure that wheel components are properly seated before inflating.
- Always use an extension hose with gauge and clip-on chuck.
- Never inflate beyond 1.5 bar prior to placing tyre/wheel assembly in a safety cage.
- Always use a safety cage or other restraining device when inflating the tyre to seat the beads and/or inflating the tyre to normal operating inflation pressure.
- Never stand, lean or reach over the assembly during inflation.
- After beads are fully seated, adjust to vehicle manufacturer‘s recommended inflation pressure.
- Never mount radials on the same axle with bias tyres. Follow vehicle manufacturer’s recommendations.
- Tyres must be removed when remaining tread depth reaches regulated minimum tread pattern in a country.
- Winter tyres have “Platform Indicators” in the grooves, marked with an arrow on the sidewall, which indicates their location.
- Winter tyres can no longer be used as winter tyres after the “Platform Indicators” have appeared on the tread surface. This occurs when the original tread depth has approximately 50% wear.
- Stones, gravel and other foreign objects stuck in the tyre treads may damage the tyre. Remove foreign objects from the treads.
- Objects in the road such as potholes, glass, metal, rocks, wood debris, kerbstones and others that could damage a tyre should be safely avoided.
- To preserve traffic safety and tyre life, YOKOHAMA recommends driving safely and avoiding hard acceleration, braking or cornering in unnecessary situations.
- If you feel the vehicle is unstable or feel/hear any unusual vibrations/noises, stop your vehicle in a safe place and inspect your tyres. Even if no visible defects are found, drive slowly and ask your tyre dealer to inspect your tyres as soon as possible.

Never use a tyre under the following conditions and replace a tyre immediately:

- If the tread has worn to the tread wear indicator.
- If breaks in the fabric appear.
- If cords or wires are exposed.

Moisture in a tyre can damage the casing. Store tyres in a dry area. Dry interior before mounting. Inflate with dry air.

NOTES

