YOKOHAMA

TRUCK AND BUS RADIALS
2020 ▸ 2021

TECHNOLOGIES TO GIVE YOU THE

YOKOHAMA is constantly striving to create the best solutions for each application. YOKOHAMA's commitment to you and to the environment ensures the most cost-effective high-performance tyres.

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.

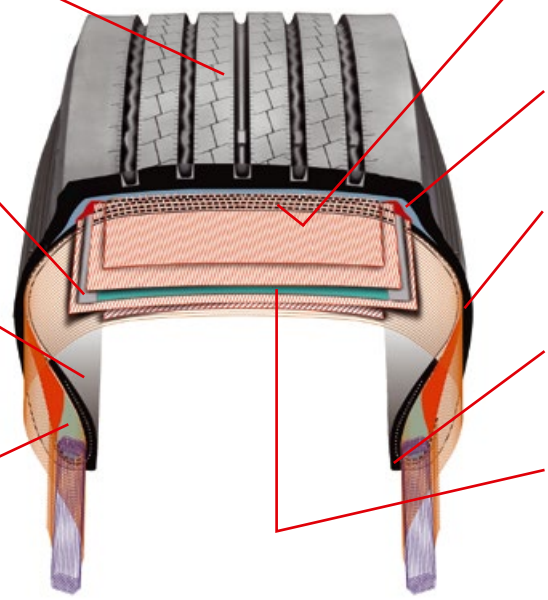
Tyre Construction

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.

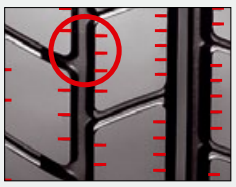
Individual Technologies

SC Groove

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

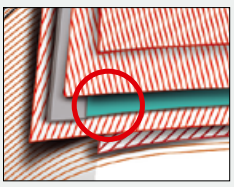
*SC : Stress-wear (uneven wear) Control

SC Sipe



SC* Sipe
To improve "river wear".

SpiraLoop



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

ADVANTAGE!

YOKOHAMA Product Line-up

Highway p. 8 - 9


BluEarth 110L M+S Depend on sizes


107ZL


BluEarth 707L M+S


RY357


106ZS M+S

Steer Axle


TY517E M+S

Drive Axle


RY253

Trailer Axle

Regional p. 10 - 11

New


124R M+S


104ZR


RY023


106ZS M+S

Steer Axle


704R M+S

Drive Axle


RY023T


Y785R


RY103


Y793R

All Positions


TY303 M+S

Drive Axle


RY357


RY253

Trailer Axle

City Bus and Coach p. 12

New


120U M+S


RY537 M+S

CITY BUS

All Positions


107ZL

COACH

New


124R M+S


104ZR, 104ZR Spec-2 M+S Depend on sizes

All Positions

On and Off Road p. 13


MY507 M+S


MY547 M+S

Steer Axle / All Positions

New


301C M+S


LY717 M+S

Drive Axle


MY507A Depend on sizes M+S

Trailer Axle / Steer Axle

Winter p. 14


901ZS M+S

Steer Axle


TY287 M+S

All Positions


902W M+S

Drive Axle


MY507 M+S, MY507T M+S,


MY507A M+S Depend on sizes

Trailer Axle

YOKOHAMA ORIGINAL TREAD PATTERN CODES

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

104ZR

1 2 (3) 4

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 (Ice Performance)
- E: Environment Special
- S: Steer Special
- D: Drive Special
- T: Trailer Special

NOTE

The availability of products shown in this document may vary from country to country. Please consult your YOKOHAMA distributor for local availability. Some tyres carry a second load / speed index marking which indicates additional operational possibilities.

IMPORTANT NOTE: 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.

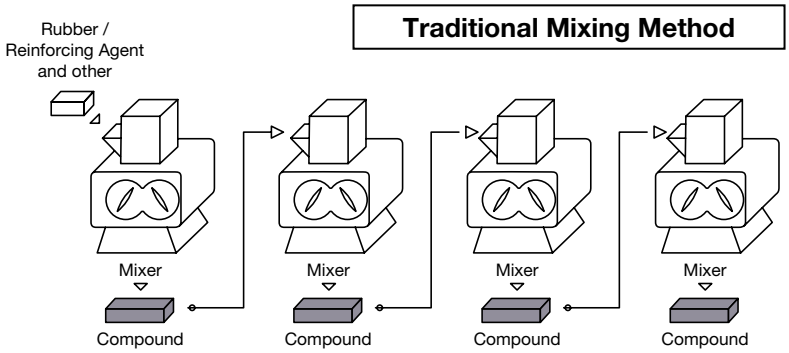
INTRODUCING YOKOHAMA TECHN

A new era in the development of truck and bus tyres.

Lower Temperature / Higher Torque Mixing Method

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

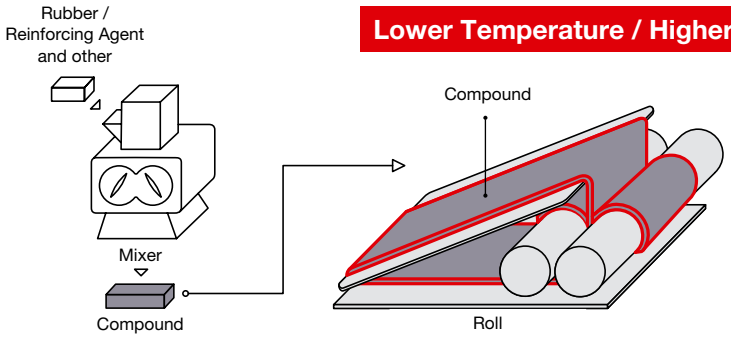
Traditional Mixing Method



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.

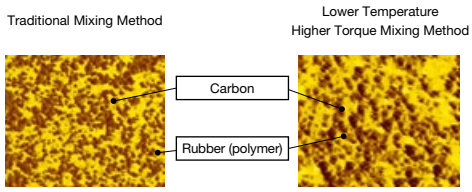
Lower Temperature / Higher Torque Mixing Method



One Step Mixing & Roll Mixing

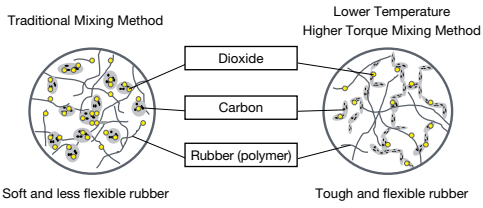
The advanced method performs the kneading of the rubber on rollers after the rubber has been mixed. This process results in lower temperatures. It thus minimises the splitting of the rubber's long polymer chains and promotes a more even distribution of the carbon black particles, which are used as a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

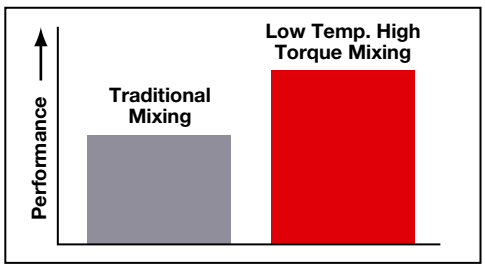
Rubber Structure Model



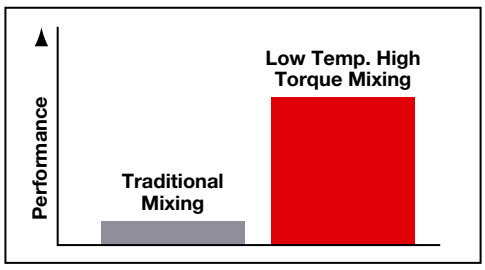
The Lower Temperature & Higher Torque Mixing Method significantly reduces dioxide obstacles and disperses carbon in rubber evenly.

Performance

Tyre Mileage



Compound Performance



OLOGIES

The BluEarth Concept

BluEarth. The product engineering philosophy for Environmental, Human and Socially Friendly tyres.
Tyres should deliver driving pleasure as well as less environmental impact. YOKOHAMA has launched the BluEarth brand in order to pursue environmental, human and socially friendly performances from its tyres.

What's the theme?

- Environmentally Friendly
- Human Friendly
- Socially Friendly

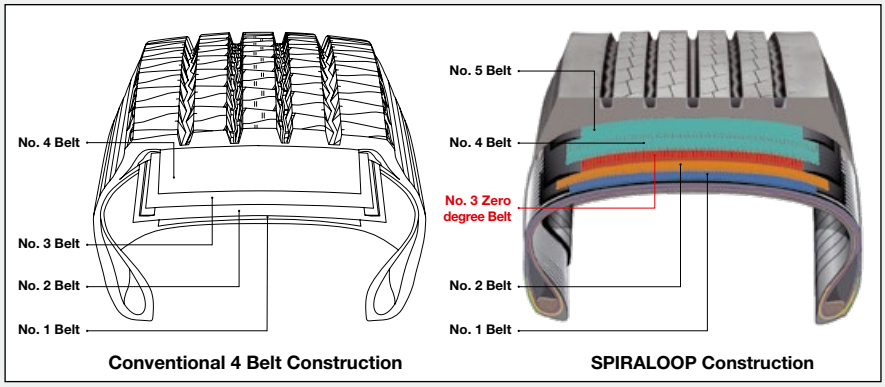
M+S

BluEarth 707L

The SPIRALOOP Concept

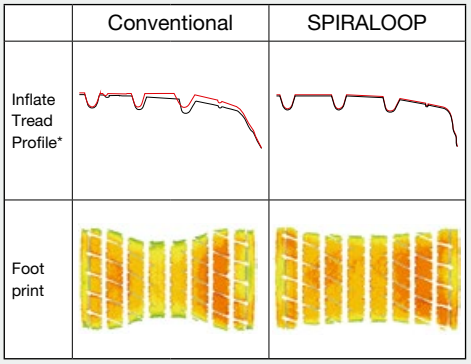
The innovative "SPIRALOOP" Belt Structure has excellent casing durability, minimises casing growth and improves uneven wear performance. It contains an advanced, joint-less, zero degree circumferential belt, added in between the conventional 2nd and 3rd belt.

Constructions



Conventional 4 Belt Construction | SPIRALOOP Construction

Comparison Example

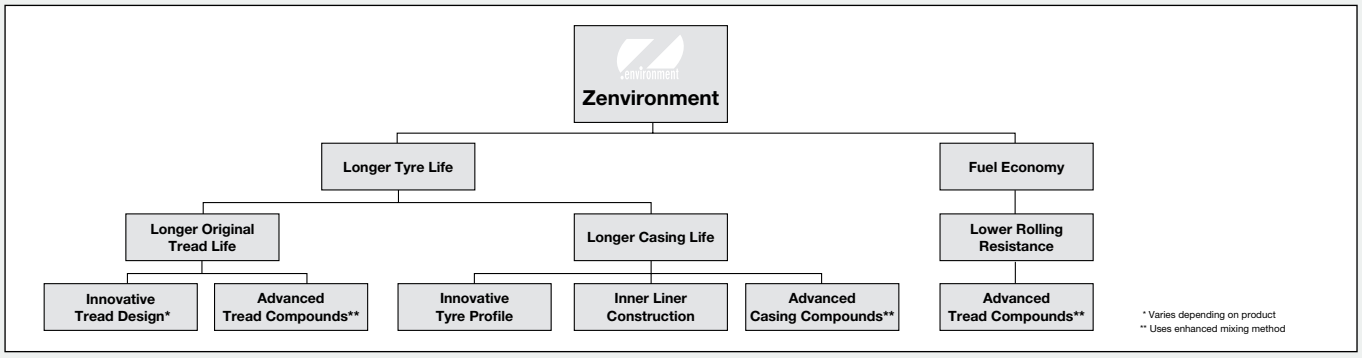


* red line: Inflated

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:



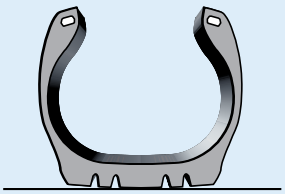
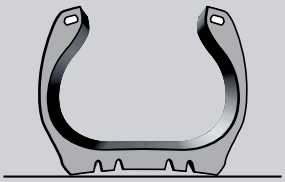
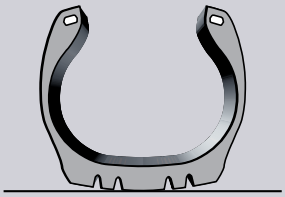
YOKOHAMA: MAXIMISE YOUR PER

Recommendations to ensure the top performance of your YOKOHAMA tyres.

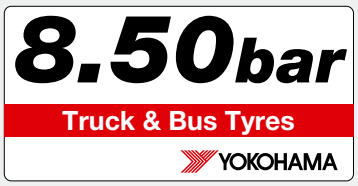
Inflation Pressure

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 all 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 on pages 20 - 23.

		
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 snowy / icy 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.

FORMANCE

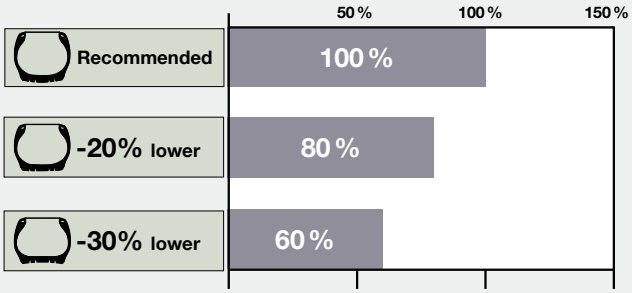
Tyre Wear Factors

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 optimum fuel economy and aid in the protection of our environment.

INFLATION PRESSURE

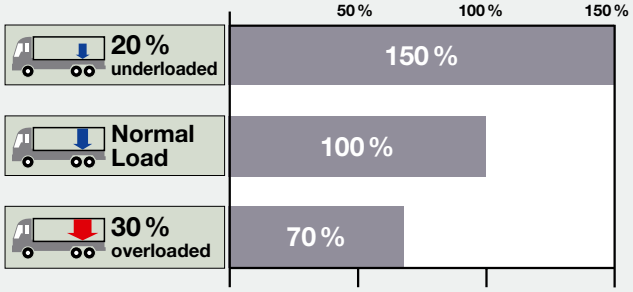
• Tyre Mileage Index in %



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

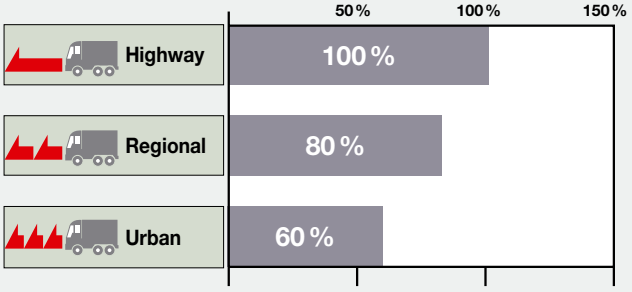
• Tyre Mileage Index in %



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

STOP/GO OPERATION (Braking Abrasion)

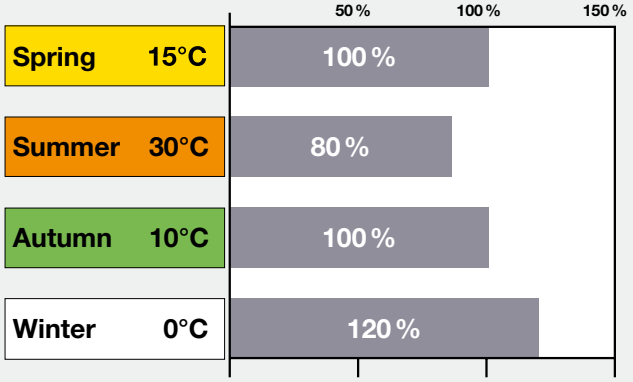
• Tyre Mileage Index in %



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

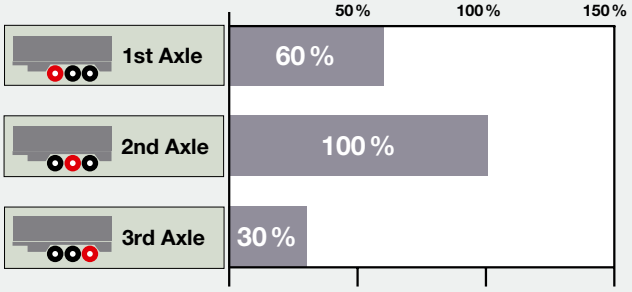
• Tyre Mileage Index in %



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

BluEarth 110L

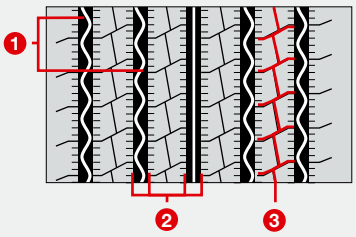
M+S Depend on sizes

Sipe

SpiraLoop Depend on sizes

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

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



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

Size	LI / SS
355/50R22.5	156L
315/60R22.5 ▲	154/148L
315/80R22.5 ★	156/150L, (154/150M)

▲ = Up to 7.5 tons/axle

★ = No SPIRALOOP

See page 16–23 for detailed information.

Steer Axle

106ZS

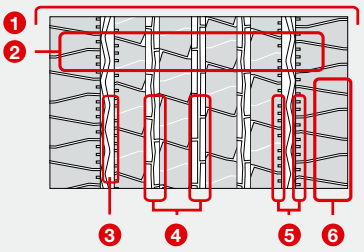
M+S

Sipe

environment

Reliable wide base steer axle tyre engineered with innovative "Zenvironment" technologies for ordinal highway & regional operations.

- Advanced tread compound under "Zenvironment" technology provides longer mileage and improves fuel economy thanks to deeper tread design.
- YOKOHAMA´s casing compound under "Zenvironment" technologies extend casing life for multi-retread.
- SC-SIPE (Stress-Wear Control Sipe) design improves abnormal wear on rib edges.



1. 6-rib tread design with straight grooves
2. Tread Compound / Deep Tread
3. Wavy Grooves
4. Stone Ejectors
5. SC (Stress-Wear Control)-Sipe
6. Tread radii at shoulder

Size	LI / SS
385/55R22.5	158L, (160K)
385/65R22.5	158L, (160K)

See page 16–23 for detailed information.

Steer Axle

107ZL

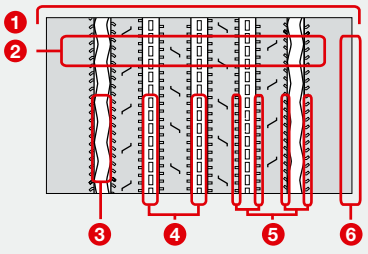
Groove

Sipe

environment

Advanced highway steer tyre engineered with innovative "Zenvironment" technologies for ordinal highway operations.

- Advanced tread compound under "Zenvironment" technology provides longer mileage and better fuel economy.
- YOKOHAMA´s casing compound under "Zenvironment" technologies extend casing life for multi-retread.
- The 6-rib tread design is the perfect steer position high performer. Now enhanced with over 6,000 sipes, this premium feature provides reliable water evacuation and uniform wear.



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

Size	LI / SS
315/70R22.5 ▲	156/150L, (154/150M)
295/80R22.5 ★	152/148M
315/80R22.5 ★	156/150L, (154/150M)

▲ = Up to 8.0 tons/axle

See page 16–23 for detailed information.

★ = 4 grooves pattern

Drive Axle

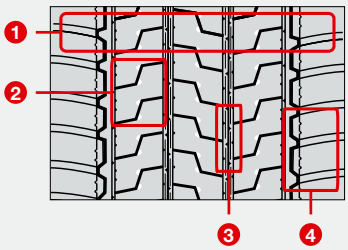
BluEarth 707L

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

- Newly-developed tread compound for long tread life and reliable wet/snow traction.
- Rigid shoulder ribs with shallow open lugs improve uneven wear performance.
- Small pitch “Z-Blocks” increase anti irregular wear performance and support wet and snow traction.
- Step grooves reduce stone damage.
- Directional pattern helps to reduce the rolling resistance of the tyre.

Size	LI / SS
295/60R22.5	150/147L
315/60R22.5	152/148L
315/70R22.5	154/150L, (152/148M)
315/80R22.5	156/150L, (154/150M)

See page 16–23 for detailed information.



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

Drive Axle

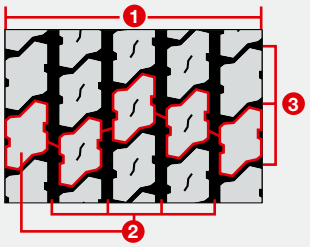
TY517E

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

- Deep & wide tread design produces long tread life.
- Alternated tread block design with 4-straight wide grooves increases even wear without sacrificing wet traction.
- Shallow lug grooves at shoulder minimise shoulder heel & toe wear.

Size	LI / SS
295/80R22.5	152/148M

See page 16–23 for detailed information.



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 delivers long mileage & shoulder wear resistance on trailer axle use.

- 5-rib tread design enhances even wear and wet grip.
- Specially constructed casing makes this tyre well-suited for retreading.

Size	LI / SS
385/55R22.5	160J, (158L)
385/65R22.5	160J, (158L)

See page 16–23 for detailed information.

Trailer Axle

RY253

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

- The 6-rib tread design enhances even wear & wet grip.
- Specially constructed casing makes this tyre well-suited to retreading.

Size	LI / SS
425/65R22.5	165K
445/65R22.5	168K

See page 16–23 for detailed information.

Steer Axle

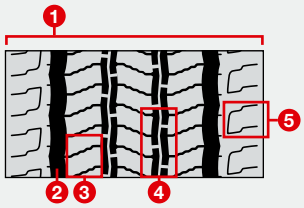
124R

New

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

- Extra wide tread design for long tread life and wet/snow traction. Serpentine and wavy grooves reduce premature shoulder step-down and irregular wear.
- Deep wavy sipes and shallow grooves improve wet/snow traction and contact pressure/uneven wear performance.
- Minimised stone holding and penetration due to wavy grooves and stone ejectors. Rigid shoulder ribs with shallow design groove improve shoulder step-down wear and straight driving stability.

M+S



1. Extra 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

Size	LI / SS
315/70R22.5	154/150L, (152/148M)
295/80R22.5	152/148M
295/80R22.5	154/149M
315/80R22.5	156/150L, (154/150M)

See page 16–23 for detailed information.

Steer Axle

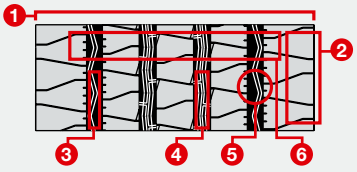
104ZR

Steer axle tyre engineered with innovative "Zenvironment" technologies for national and regional transport service.

- SC-SIPE design improves abnormal wear on rib edges.
- Enhanced tread radii design improves shoulder step-down wear.
- Innovative designed stone ejectors and wavy grooves minimise stone holding & penetration in ordinal regional operation.
- YOKOHAMA´s tread compound using "Zenvironment" technology with an even deeper tread design provides longer mileage and fuel saving properties.

SC Sipe

environment



1. 5-rib tread design with straight grooves
2. Tread radii at shoulder
3. Wavy Grooves
4. Stone Ejectors
5. SC (Stress-Wear Control)-Sipe
6. Tread Compound/Deep Tread

104ZR

Size	LI / SS
245/70R19.5	136/134M •
265/70R19.5	140/138M •
285/70R19.5	146/144M
9R22.5	136/134L
10R22.5	144/142L
12R22.5	152/148L •

• = for Coach also

For Coach only

104ZR Spec-2

M+S

104ZR Spec-2

Size	LI / SS
11R22.5*	148/145M

*All-Position

See page 16–23 for detailed information.

Steer Axle

RY023

Steer axle tyre for regional transport service.

- Wide 5-rib design delivers long mileage & shoulder wear resistance on steer axle use.
- Deep sub-grooves on ribs enhance wet traction.

Size	LI / SS
205/75R17.5	124/122M
215/75R17.5	126/124M
235/75R17.5	132/130M
305/70R22.5	152/148L, (150/148M)

See page 16–23 for detailed information.

Steer Axle

106ZS

M+S

Reliable wide base steer axle tyre engineered with innovative "Zenvironment" technologies for ordinal highway & regional operations.

- For further information check Page 8.

Size	LI / SS
385/55R22.5	158L, (160K)
385/65R22.5	158L, (160K)

See page 16–23 for detailed information.

All Positions

RY103

All-purpose, all-position tyre for normal regional/city service.

- The 5-rib tread design with straight grooves enhances even wear & wet grip.
- The tread compound is highly resistant against cutting and chipping.

Size	LI / SS
275/70R22.5	148/145L
275/80R22.5	149/146M

See page 16–23 for detailed information.

All Positions

Y793R

All-purpose, all-position tyre for normal regional/city service.

- The pattern design with wide tread guarantees long mileage.
- The tread compound is highly resistant against cutting and chipping.

Size	LI / SS
8R17.5	117/116L
8.5R17.5	121/120L

See page 16–23 for detailed information.

Drive Axle

704R

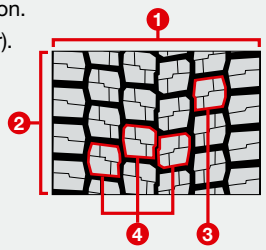
Drive axle tyre engineered with the help of YOKOHAMA's advanced technologies for regional operation.

- Extra wide tread design produces long tread life and maximised wet/snow traction.
- Directional Pattern increases anti-irregular wear performance (e.g. heel and toe wear). Provides wet/snow traction and improves the Noise level performance.
- Advanced Tread Compound produces long tread life and maximised wet/snow traction.

Size	LI / SS
245/70R17.5	136/134M
205/75R17.5	124/122M
215/75R17.5	126/124M
225/75R17.5	129/127M
235/75R17.5	132/130M
265/70R19.5	140/138M

Size	LI / SS
285/70R19.5	146/144M
295/60R22.5	150/147L
315/60R22.5	152/148L
315/70R22.5	154/150L, (152/148M)
295/80R22.5	152/148M
315/80R22.5	154/150M, (156/150L)

See page 16–23 for detailed information.



1 Extra wide tread design
2 Directional Pattern
3 High rigidity block shape
4 Alternated block placement with short blocks

Drive Axle

TY303

Drive axle tyre for regional/highway service.

- Aggressive tread design provides wet traction throughout all stages of wear for regional/city service.
- The tread compound is highly resistant to cutting and chipping and extends mileage.

Size	LI / SS
305/70R22.5	152/148L, (150/148M)

See page 16–23 for detailed information.

Trailer Axle

RY023T

Tyre for regional/highway service, only for trailer use.

- Wide 5-rib design delivers long mileage & shoulder wear resistance.
- Deep SIPE on ribs enhance wet grip.

Size	LI / SS
215/75R17.5	135/133J
235/75R17.5	143/141J
245/70R19.5	141/140J
265/70R19.5	143/141J
285/70R19.5	150/148J

See page 16–23 for detailed information.

Trailer Axle

Y785R

All purpose low platform trailer tyre.

- The 5-rib tread design with straight grooves enhances evenwear & wet grip.
- Casing construction provides durability & retreadability for heavy trailer service.

Size	LI / SS
7.50R15	135/133J
8.25R15	142/141G
365/80R20	158K, (160J)

See page 16–23 for detailed information.

Trailer Axle

RY357

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

- For further information check Page 9.

Size	LI / SS
385/55R22.5	160J, (158L)
385/65R22.5	160J, (158L)

See page 16–23 for detailed information.

Trailer Axle

RY253

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

- For further information check Page 9.

Size	LI / SS
425/65R22.5	165K
445/65R22.5	168K

See page 16–23 for detailed information.

City Bus – All Positions

120U

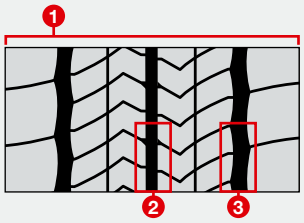
New

All position tyre for city bus operation.

- The extra wide tread design improves ground contact, even wear and wet/snow traction.
- Step grooves and wavy grooves for reduced stone damage and improved traction.
- Side wear indicator showing the usage limit.

Size	LI / SS
275/70R22.5	150/148J, (152/148E)

See page 16–23 for detailed information.



1 Extra wide tread design
2 Step Grooves
3 Wavy Grooves

City Bus – All Positions

RY537

All position tyre for city bus operation.

- Extra deep tread with 4-rib design for long mileage & low cost per kilometre on severely abrasive roads.
- Special sidewall protection minimises tyre damage & abrasion from the kerb.

Size	LI / SS
275/70R22.5	148/145J, (152/148E)
275/70R22.5	150/148J, (152/148E)
295/80R22.5	152/148J, (154/150E)
11R22.5	148/145J, (151/148E)

See page 16–23 for detailed information.

Coach – All Positions

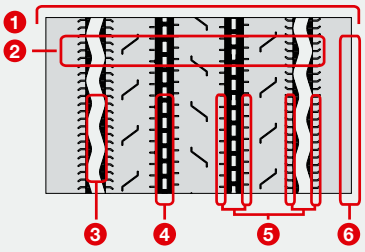
107ZL

Innovative highway steer tyre engineered with innovative "Zenvironment" technologies for ordinal highway operations.

- YOKOHAMA´s tread compound under "Zenvironment" technology provides longer mileage and better fuel economy.
- Advanced casing compound under "Zenvironment" technologies extend casing life for multi-retread.
- The 5-rib tread design is the perfect steer position high performer. Now enhanced with over 4,000 sipes, this premium feature provides reliable water evacuation and uniform wear.

Size	LI / SS
295/80R22.5	152/148M
315/80R22.5	156/150L, (154/150M)

See page 16–23 for detailed information.



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

Coach – All Positions

124R

New

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

- For further information check Page 10.

Size	LI / SS
295/80R22.5	152/148M
295/80R22.5	154/149M
315/80R22.5	156/150L, (154/150M)

See page 16–23 for detailed information.

Coach – All Positions

104ZR Spec-2

104ZR

Steer axle tyre engineered with innovative "Zenvironment" technologies for national and regional transport service.

- For further information check Page 10.

104ZR Spec-2

Size	LI / SS
11R22.5*	148/145M

*M+S

104ZR

Size	LI / SS
245/70R19.5	136/134M
265/70R19.5	140/138M
12R22.5	152/148L

See page 16–23 for detailed information.

Steer Axle / All Positions

MY507

M+S

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

- Deeper & wider tread increases mileage while the solid shoulder ribs are highly resistant against shoulder wear.
- Stone ejectors & V-shaped grooves decrease stone retention and enhance the tyre's retreadability.

Size	LI / SS
295/80R22.5 ◆	152/148K
315/80R22.5 ◆	156/150K
11R22.5	148/145K
12R22.5	152/148K
13R22.5	154/150K, (156/150G)

◆ = 4 grooves pattern

See page 16–23 for detailed information.

Steer Axle / All Positions

MY547

M+S

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

- The deeper tread produces longer mileage while the shoulder ribs are highly resistant against shoulder wear.
- The 3 zig'zag centre grooves with shoulder lugs increase traction and enhance smooth wear in local operation.

Size	LI / SS
12.00R20	154/150K
12.00R24	156/153K
325/95R24	162/160K

See page 16–23 for detailed information.

Drive Axle

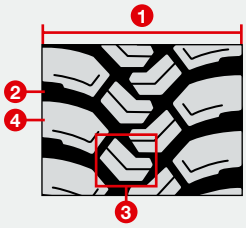
301C

New

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

- Directional pattern with extra wide tread and deep groove design, for a long tread life and traction on muddy/wet and winter ground conditions.
- Expanding to centre Deep Lug groove, keeping traction until worn out.
- Improvement of straight driving performance and durability by continuously arranged centre blocks design.
- Shoulder block shape design supports off-road grip and traction.

M+S



Size	LI / SS
315/80R22.5	156/150K, (154/150M)

See page 16–23 for detailed information.

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

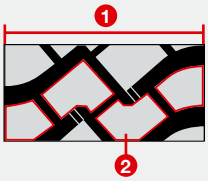
Drive Axle

LY717

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

- The deeper & wider tread increases the mileage.
- The tapered tread grooves reduce stone retention while the reliable tread compound is highly resistant against cutting and chipping.

M+S



Size	LI / SS
12.00R20	154/150K
295/80R22.5	152/148K
11R22.5	148/145K
12R22.5	152/148K

Size	LI / SS
13R22.5	154/150K, (156/150G)
12.00R24	160/156K
325/95R24	162/160K

See page 16–23 for detailed information.

1. Deeper & wider tread
2. Aggressive 4-block tread design

Trailer Axle / Steer Axle

MY507A

Wide base ON & OFF trailer tyre engineered with the help of YOKOHAMA's advanced technologies for on & off construction-site operation.

Depend on sizes

M+S

- The deep and wide tread design for a long tread life.
- The aggressive traction tread with transverse sub grooves enhances traction on rough surfaces.
- Stone ejectors and funnel-shaped grooves minimise stone retention and enhance retreadability.

Size	LI / SS
385/65R22.5 ✶	158L, (160J)
425/65R22.5	165K

✶ Snowflake symbol

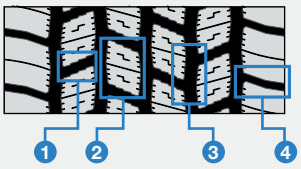
See page 16–23 for detailed information.

Steer Axle

901ZS

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

- Traction block tread pattern with multi-sipes enhances traction on snowy/icy roads.
- Rigid shoulder ribs with shallow open lugs deliver even wear on the steer axle.
- SC-Sipes on block edges increase even wear.
- YOKOHAMA's winter tyre tread compound optimises fuel economy as well as mileage & winter traction.



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

Size	LI / SS
385/55R22.5	158L, (160J)
385/65R22.5	158L, (160J)
315/70R22.5	154/150L, (152/148M)
275/70R22.5 ★	150/148L, (153/149E)
295/80R22.5 ★	152/148M
295/80R22.5 ★	154/149M
315/80R22.5 ★	156/150K

See page 16–23 for detailed information.

★ = 4 grooves pattern

All Positions

TY287

Multi-purpose, all-season tyre engineered with advanced YOKOHAMA technologies.

- At approximately 60% of tread wear, the tread design becomes a rib pattern suitable for normal highway use.
- The tread compound delivers traction on wet and snowy surfaces and extends mileage.

Size	LI / SS
275/70R22.5	148/145L

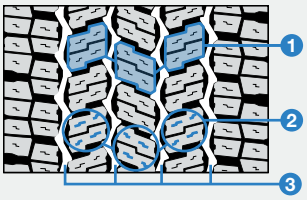
See page 16–23 for detailed information.

Drive Axle

902W

Reliable winter drive axle tyre engineered with innovative "Zenvironment" technologies.

- Advanced designed tread pattern with Z shape block and Z shape closed sipe enhances traction grip under icy, snow and wet conditions.
- The winter tread which changes when approx. 50% worn can be used all-year round with reduced vehicle down-time and tyre stock holding.



1. Z Shape Block: Enhancing the effect of the block edge while keeping the block stiffness
2. Z Shape Closed Sipe: Enhancing the effect of the block edge while keeping the block stiffness
3. Waved Groove: Reinforcing the block stiffness in the lateral direction by waved groove

Size	LI / SS
275/70R22.5	148/145L
315/70R22.5	154/150L, (152/148M)
295/80R22.5	152/148M
315/80R22.5	154/150M, (156/150L)

See page 16–23 for detailed information.

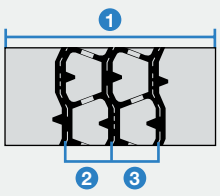
Trailer Axle

MY507, MY507T, MY507A

Depend on sizes

Winter trailer tyre engineered with YOKOHAMA's advanced technologies.

- Deeper & wider tread increases mileage.
- Stone ejectors & V-shaped grooves decrease stone retention and enhance the tyre's retreadability.



1. Deeper & wider tread
2. 3 waved centre grooves
3. Stone ejectors & V-shaped grooves

MY507, MY507T

Size	LI / SS
275/70R22.5 ★	148/145K
265/70R19.5 ★ Δ	143/141J

★ Snowflake symbol Δ = MY507T

MY507A

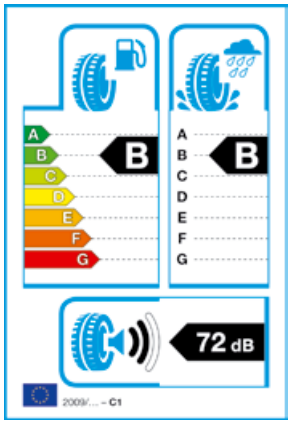
Size	LI / SS
385/65R22.5 ★	158L, (160J)
425/65R22.5	165K

★ Snowflake symbol

See page 16–23 for detailed information.

MY507A

EU Tyre Label

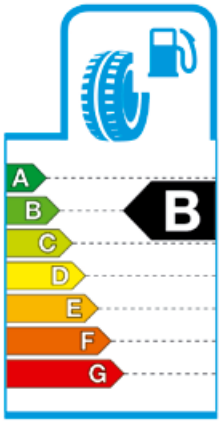


In 2012 the European Union introduced a tyre label, in order to provide standardised information on 3 specific performances; fuel efficiency, wet grip and external rolling noise.

Tyre labeling for passenger cars and light trucks took effect from November 2012, for tyres on sale in the EU under European Regulation (EC/No. 1222/2009) which were manufactured after 1st July 2012.

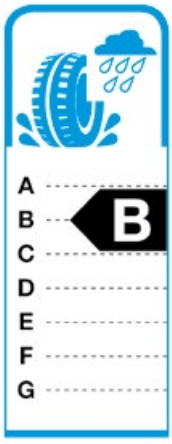
The label is accompanied on the actual tyre and gives consumers useful information to assist them when purchasing new tyres.

On the left you can find an example of the EU tyre label. These graphics on the label are similar as those already used for household appliances and more recently new cars.



Rolling resistance (Fuel efficiency)
Rolling resistance is one of the main resistive forces on a vehicle, which acts as an opposite force to the direction in which the tyre is rolling. The rolling tyre deforms and dissipates energy. The tyre whose rolling resistance is greater, requires more fuel to move the vehicle forward. Therefore rolling resistance influences fuel consumption and the environment directly.

On the top left of the label, this shows 7 classes which range from A (most efficient) to G (least efficient), the grading indicates the tyre's contribution to fuel efficiency and CO_2 emissions.



Wet grip (Braking performance)
Wet grip is one of the most important safety aspects of a tyre. The tyres with excellent grip in wet surfaces have shorter braking distance when driving in rainy weather.

There are other important parameters which are also related to safety. However, consumers will be able to check and select for themselves their preferred performance.

On the top right of the label, wet grip is also expressed in classes ranging from A (highest performance) to G (lowest performance).

External noise
Traffic noise is a major factor of nuisance and a very relevant environmental issue. On the lower part of the label, this indicates the level of exterior tyre noise from the vehicle (not the internal noise heard by the driver), expressed in decibels. The grading indicates the tyre's contribution to traffic noise and the environment. The label displays sound waves and corresponding levels ranging from 1 (least noise) to 3 (highest noise)

- 1 sound wave corresponds to the lowest external noise level or the best external noise level performance of the tyre;
- 2 sound waves correspond to the average external noise level or the average external noise level performance of the tyre;
- 3 sound waves correspond to the highest external noise level or the weakest external noise level performance of the tyre.

EU Tyre Label Icon Explanation

= Fuel Efficiency Class on Regulation (EC) No. 1222/2009 amended by Regulation (EC) No. 228/2011 and Regulation (EC) No. 1235/2011
= Wet Grip Class on Regulation (EC) No. 1222/2009 amended by Regulation (EC) No. 228/2011 and Regulation (EC) No. 1235/2011
= External Rolling Noise Class and Measured Value (dB) on Regulation (EC) No. 1222/2009 amended by Regulation (EC) No. 228/2011 and Regulation (EC) No. 1235/2011

For any updates on the above printed version please refer to the Tyre Labeling section on our website.

Dimensional & Labeling Data

Highway

Size	PTN	LI / SS	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Rolling Circ. +- 2 % (mm)	Measuring Rim (inch)	Opt. Rim (inch)	M+S		
Steer Axle											
355/50R22.5	BluEarth 110L	156L	367	927	429	2804	11.75	-			C C 2 73
315/60R22.5		154/148L	313	946	439	2865	9.00	9.75			C B 2 72
315/80R22.5		156/150L, (154/150M)	314	1072	496	3242	9.00	9.75	●		C B 1 67
385/55R22.5	106ZS	158L, (160K)	380	999	462	3021	11.75	12.25	●		C A 1 70
385/65R22.5		158L, (160K)	378	1075	497	3250	11.75	12.25	●		C A 1 70
315/70R22.5	107ZL	156/150L, (154/150M)	313	1017	473	3083	9.00	9.75			C B 2 71
295/80R22.5		152/148M	303	1053	489	3190	9.00	8.25			C B 2 71
315/80R22.5		156/150L, (154/150M)	314	1075	499	3256	9.00	9.75			C B 2 71
295/60R22.5	RY407	150/147L	291	921	429	2794	9.00	9.75			C C 1 70
Drive Axle											
295/60R22.5	BluEarth 707L	150/147L	287	923	424	2783	9.00	9.75	●	●	C C 1 72
315/60R22.5		152/148L	310	956	441	2887	9.00	9.75	●	●	C C 1 73
315/70R22.5		154/150L, (152/148M)	314	1019	472	3085	9.00	9.75	●	●	C C 1 72
315/80R22.5		156/150L, (154/150M)	314	1078	502	3270	9.00	9.75	●	●	C C 1 72
295/80R22.5	TY517E	152/148M	303	1063	495	3225	9.00	8.25	●	●	D B 1 70
Trailer Axle											
385/55R22.5	RY357	160J, (158L)	380	998	460	3013	11.75	12.25			C B 1 69
385/65R22.5		160J, (158L)	380	1074	497	3248	11.75	12.25			C B 1 69
425/65R22.5	RY253	165K	422	1126	520	3402	13.00	14.00			C B 2 72
445/65R22.5		168K	444	1154	532	3484	14.00	13.00			C B 2 71

Regional

Size	PTN	LI / SS	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Rolling Circ. +- 2 % (mm)	Measuring Rim (inch)	Opt. Rim (inch)	M+S		
Steer Axle											
315/70R22.5	124R	154/150L, (152/148M)	314	1018	472	3082	9.00	9.75	●	●	C B 1 71
295/80R22.5		152/148M	303	1056	491	3201	9.00	8.25	●	●	C B 1 71
295/80R22.5		154/149M	303	1056	491	3201	9.00	8.25	●	●	C B 1 71
315/80R22.5		156/150L, (154/150M)	314	1079	502	3270	9.00	9.75	●	●	C B 1 71
245/70R19.5	104ZR	136/134M	246	848	396	2575	7.50	6.75			D C 2 73
265/70R19.5		140/138M	261	871	404	2638	7.50	6.75, 8.25			D C 2 73
285/70R19.5		146/144M	284	893	413	2701	8.25	7.50, 9.00			D C 2 73
9R22.5		136/134L	231	969	454	2948	6.75	6.00, 7.50			D B 1 70
10R22.5		144/142L	257	1018	476	3094	7.50	6.75, 8.25			D B 1 70
12R22.5		152/148L	299	1084	504	3286	9.00	8.25			D B 1 70
205/75R17.5	RY023	124/122M	207	760	354	2306	6.00	5.25, 6.75			E B 2 72
215/75R17.5		126/124M	215	776	360	2350	6.00	6.75			E B 2 72
235/75R17.5		132/130M	238	805	372	2433	6.75	7.50			E B 2 72
305/70R22.5		152/148L, (150/148M)	310	1000	466	3035	9.00	8.25			D C 2 72
385/55R22.5	106ZS	158L, (160K)	380	999	462	3021	11.75	12.25	●		C A 1 70
385/65R22.5		158L, (160K)	378	1075	497	3250	11.75	12.25	●		C A 1 70
All Positions											
275/70R22.5	RY103	148/145L	280	958	448	2912	8.25	7.50			C B 2 73
275/80R22.5		149/146M	278	1025	476	3105	8.25	7.50			C B 1 69
8R17.5	Y793R	117/116L	206	784	363	2372	6.00	5.25, 6.75			E B 1 69
8.5R17.5		121/120L	211	803	373	2433	6.00	5.25, 6.75			E B 1 69
Drive Axle											
245/70R17.5	704R	136/134M	242	795	369	2409	6.75	7.50	●	●	E C 1 72
205/75R17.5		124/122M	208	763	355	2313	6.00	5.25, 6.75	●	●	D C 1 72
215/75R17.5		126/124M	215	777	361	2335	6.00	6.75	●	●	E C 1 72
225/75R17.5		129/127M	229	790	367	2393	6.75	7.50	●	●	D C 1 72
235/75R17.5		132/130M	238	804	373	2434	6.75	7.50	●	●	E C 1 72
265/70R19.5		140/138M	261	872	405	2643	7.50	6.75, 8.25	●	●	E C 1 72
285/70R19.5		146/144M	284	895	415	2709	8.25	7.50, 9.00	●	●	E C 1 72
295/60R22.5		150/147L	290	932	435	2830	9.00	9.75	●	●	E C 1 72
315/60R22.5		152/148L	309	965	448	2921	9.00	9.75	●	●	E C 2 74
315/70R22.5		154/150L, (152/148M)	314	1025	475	3104	9.00	9.75	●	●	E B 1 72
295/80R22.5		152/148M	303	1062	495	3224	9.00	8.25	●	●	E C 1 72
315/80R22.5		154/150M, (156/150L)	314	1087	506	3296	9.00	9.75	●	●	E C 1 72
305/70R22.5	TY303	152/148L, (150/148M)	310	1012	470	3066	9.00	8.25	●		C B 2 74
Trailer Axle											
215/75R17.5	RY023T	135/133J	215	776	360	2350	6.00	6.75			E B 2 72
235/75R17.5		143/141J	238	805	372	2433	6.75	7.50			D B 2 72
245/70R19.5		141/140J	250	845	394	2565	7.50	6.75			E C 2 72
265/70R19.5		143/141J	262	870	402	2629	7.50	6.75, 8.25			D C 2 72
285/70R19.5		150/148J	283	892	413	2699	8.25	7.50, 9.00			D C 2 72
7.50R15	Y785R	135/133J	212	766	351	2306	6.00	5.50, 6.50			D C 2 73
8.25R15		142/141G	232	840	393	2554	6.50	6.00, 7.00			D C 2 73
365/80R20		158K, (160J)	360	1090	503	3292	10.00	-			D C 2 73
385/55R22.5	RY357	160J, (158L)	380	998	460	3013	11.75	12.25			C B 1 69
385/65R22.5		160J, (158L)	380	1074	497	3248	11.75	12.25			C B 1 69
425/65R22.5	RY253	165K	422	1126	520	3402	13.00	14.00			C B 2 72
445/65R22.5		168K	444	1154	532	3484	14.00	13.00			C B 2 71

City Bus

Size	PTN	LI / SS	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Rolling Circ. +- 2 % (mm)	Measuring Rim (inch)	Opt. Rim (inch)	M+S		
All Positions											
275/70R22.5	**120U**	150/148J, (152/148E)	278	974	452	2949	8.25	7.50	●	●	C B 1 69
275/70R22.5	**RY537**	148/145J, (152/148E)	277	972	451	2944	8.25	7.50	●	●	D B 2 75
275/70R22.5		150/148J, (152/148E)	277	972	450	2940	8.25	7.50	●	●	D B 2 75
295/80R22.5		152/148J, (154/150E)	304	1063	495	3225	9.00	8.25	●	●	D B 2 75
11R22.5		148/145J, (151/148E)	281	1064	495	3226	8.25	7.50	●	●	D B 2 75

Coach

Size	PTN	LI / SS	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Rolling Circ. +- 2 % (mm)	Measuring Rim (inch)	Opt. Rim (inch)	M+S		
All Positions											
295/80R22.5	**124R**	152/148M	303	1056	491	3201	9.00	8.25	●	●	C B 1 71
295/80R22.5		154/149M	303	1056	491	3201	9.00	8.25	●	●	C B 1 71
315/80R22.5		156/150L, (154/150M)	314	1079	502	3270	9.00	9.75	●	●	C B 1 71
295/80R22.5	**107ZL**	152/148M	303	1053	489	3190	9.00	8.25			C B 2 71
315/80R22.5		156/150L, (154/150M)	314	1075	499	3256	9.00	9.75			C B 2 71
11R22.5	**104ZR Spec-2**	148/145M	277	1056	493	3207	8.25	7.50	●		D B 1 70
245/70R19.5	**104ZR**	136/134M	246	848	396	2575	7.50	6.75			D C 2 73
265/70R19.5		140/138M	261	871	404	2638	7.50	6.75, 8.25			D C 2 73
12R22.5		152/148L	299	1084	504	3286	9.00	8.25			D B 1 70

On and Off Road

Size	PTN	LI / SS	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Rolling Circ. +- 2 % (mm)	Measuring Rim (inch)	Opt. Rim (inch)	M+S		
Steer Axle – All Positions											
295/80R22.5	**MY507**	152/148K	303	1061	493	3215	9.00	8.25	●	●	D B 2 73
315/80R22.5		156/150K	312	1087	503	3288	9.00	9.75	●	●	D C 2 73
11R22.5		148/145K	275	1070	500	3251	8.25	7.50	●	●	D B 2 72
12R22.5		152/148K	296	1092	508	3311	9.00	8.25	●	●	E B 2 72
13R22.5		154/150K, (156/150G)	317	1133	528	3438	9.75	9.00	●	●	D C 2 72
12.00R20	**MY547**	154/150K	315	1129	525	3423	8.50	8.00, 8.50V, 9.00V	●		D B 2 72
12.00R24		156/153K	312	1222	568	3704	8.50	8.50V, 8.50V5, 9.00V, 9.00V5	●		D B 2 72
325/95R24		162/160K	314	1222	566	3697	9.00	8.50,10.00	●		C B 2 71
Drive Axle											
315/80R22.5	**301C**	156/150K, (154/150M)	314	1095	508	3317	9.00	9.75	●	●	D B 1 73
12.00R20	**LY717**	154/150K	312	1136	527	3440	8.50	8.00, 8.50V, 9.00V	●		D B 2 74
295/80R22.5		152/148K	305	1064	496	3229	9.00	8.25	●		E B 2 74
11R22.5		148/145K	277	1063	497	3231	8.25	7.50	●		E B 2 74
12R22.5		152/148K	298	1095	511	3325	9.00	8.25	●		E B 2 74
13R22.5		154/150K, (156/150G)	320	1135	529	3445	9.75	9.00	●		D B 2 74
12.00R24		160/156K	314	1227	569	3714	8.50	8.00, 9.00	●		D B 2 74
325/95R24		162/160K	314	1227	563	3695	9.00	8.50,10.00	●		D B 2 74
Trailer Axle – Steer Axle											
385/65R22.5	**MY507A**	158L, (160J)	380	1083	501	3275	11.75	12.25	●	●	D C 2 74
425/65R22.5		165K	422	1133	520	3413	13.00	14.00	●		C C 2 71

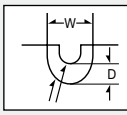
Winter

Size	PTN	LI / SS	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Rolling Circ. +- 2 % (mm)	Measuring Rim (inch)	Opt. Rim (inch)	M+S		
Steer Axle											
385/55R22.5	**901ZS**	158L, (160J)	380	999	462	3021	11.75	12.25	●	●	D C 2 74
385/65R22.5		158L, (160J)	380	1076	497	3251	11.75	12.25	●	●	D C 2 74
275/70R22.5		150/148L,(153/149E)	279	970	455	2953	8.25	7.50	●	●	E B 2 74
315/70R22.5		154/150L, (152/148M)	312	1021	477	3101	9.00	9.75	●	●	D C 2 74
295/80R22.5		152/148M	303	1057	492	3206	9.00	8.25	●	●	D C 2 74
295/80R22.5		154/149M	303	1057	492	3206	9.00	8.25	●	●	D C 2 74
315/80R22.5		156/150K	314	1083	501	3275	9.00	9.75	●	●	D C 2 74
All Positions											
275/70R22.5	**TY287**	148/145L	277	969	451	2939	8.25	7.50	●		D C 2 75
Drive Axle											
275/70R22.5	**902W**	148/145L	278	976	456	2966	8.25	7.50	●	●	E B 1 73
315/70R22.5		154/150L, (152/148M)	315	1028	477	3113	9.00	9.75	●	●	E B 1 73
295/80R22.5		152/148M	303	1063	495	3225	9.00	8.25	●	●	E B 1 73
315/80R22.5		154/150M, (156/150L)	314	1088	504	3292	9.00	9.75	●	●	E B 1 73
Trailer Axle											
275/70R22.5	**MY507**	148/145K	277	968	450	2934	8.25	7.50	●	●	E B 2 74
265/70R19.5	**MY507T**	143/141J	260	873	405	2644	7.50	6.75, 8.25	●	●	E B 2 74
385/65R22.5	**MY507A**	158L, (160J)	380	1083	501	3275	11.75	12.25	●	●	D C 2 74
425/65R22.5		165K	422	1133	520	3413	13.00	14.00	●		C C 2 71

= See page 15 for detailed information about tyre labeling.

All technical information contained in these pages may be subject to change.

Regrooving Procedure

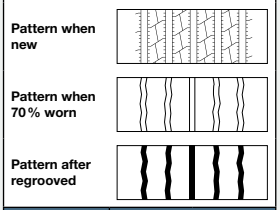


W: Regrooving Width
D: Regrooving Depth

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

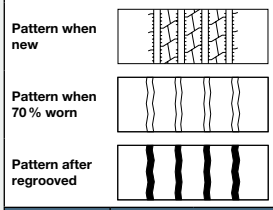
Highway

BluEarth 110L



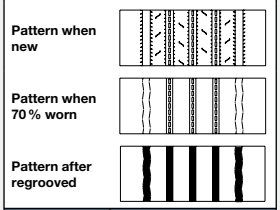
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
355/50R22.5	2.5 mm	7.0 mm
315/60R22.5	2.5 mm	7.0 mm

BluEarth 110L



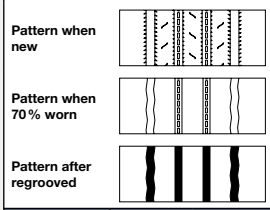
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/80R22.5	2.5 mm	7.0 mm

107ZL



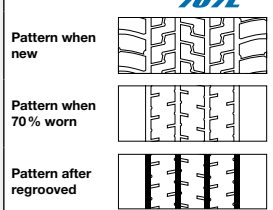
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.5 mm	7.0 mm

107ZL



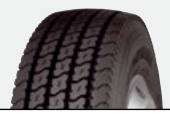
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

BluEarth 707L

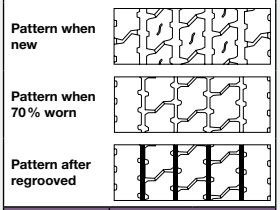


TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/60R22.5	2.0 mm	7.0 mm
315/60R22.5	2.0 mm	7.0 mm
315/70R22.5	2.0 mm	7.0 mm
315/80R22.5	2.0 mm	7.0 mm

Highway

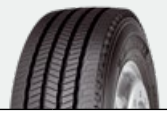


TY517E

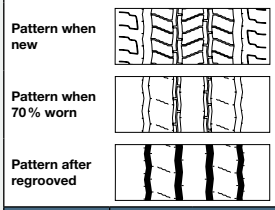


TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
295/80R22.5	3.0 mm	7.0 mm

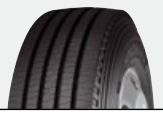
Regional



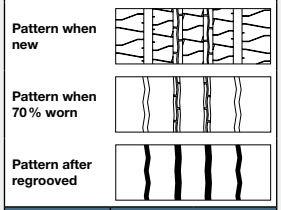
124R



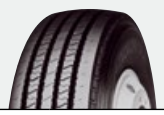
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
315/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm



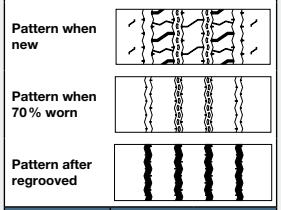
104ZR



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
12R22.5	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

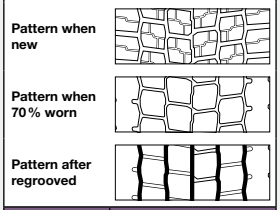


RY023



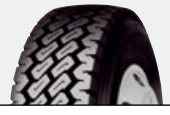
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
205/75R17.5	2.5 mm	7.0 mm
215/75R17.5	2.5 mm	7.0 mm
235/75R17.5	2.5 mm	7.0 mm
305/70R22.5	2.5 mm	7.0 mm

704R

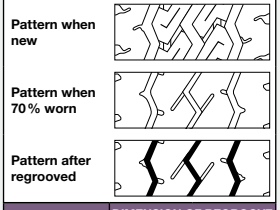


TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
245/70R17.5	2.0 mm	7.0 mm
205/75R17.5	2.0 mm	7.0 mm
215/75R17.5	2.0 mm	7.0 mm
225/75R17.5	2.0 mm	7.0 mm
235/75R17.5	2.0 mm	7.0 mm
265/70R19.5	2.0 mm	7.0 mm
285/70R19.5	2.0 mm	7.0 mm
295/60R22.5	2.0 mm	7.0 mm
315/60R22.5	2.0 mm	7.0 mm
315/70R22.5	2.0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

Regional

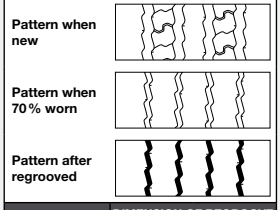


TY303

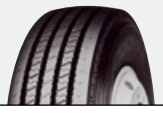


TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
305/70R22.5	2.5 mm	7.0 mm

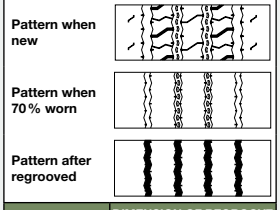
RY103



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

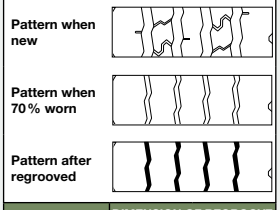


RY023T



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
245/70R19.5	2.5 mm	7.0 mm
265/70R19.5	2.5 mm	7.0 mm
285/70R19.5	2.5 mm	7.0 mm

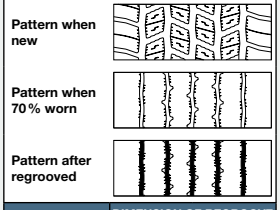
Y785R



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
7.50R15	2.5 mm	7.0 mm
8.25R15	2.5 mm	7.0 mm
365/80R20	2.5 mm	7.0 mm

Winter

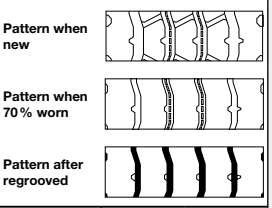
901ZS



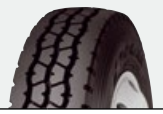
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm

On and Off Road

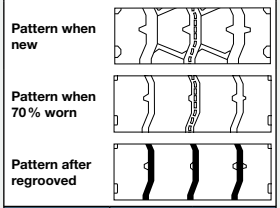
MY507



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

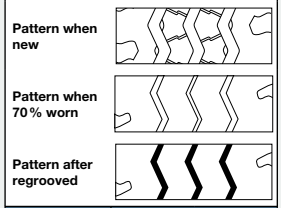


MY507



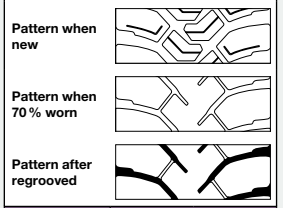
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	3.0 mm	7.0 mm
12R22.5	3.0 mm	7.0 mm
13R22.5	3.0 mm	7.0 mm

MY547



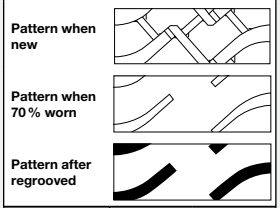
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
12.00R20	3.0 mm	7.0 mm
12.00R24	3.0 mm	7.0 mm
325/95R24	3.0 mm	7.0 mm

301C



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

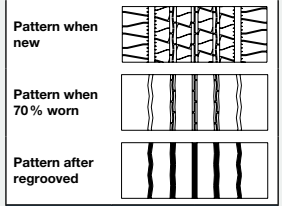
LY717



TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
12.00R20	3.0 mm	7.0 mm
11R22.5	3.0 mm	7.0 mm
12R22.5	3.0 mm	7.0 mm
13R22.5	3.0 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
12.00R24	3.0 mm	7.0 mm
325/95R24	3.0 mm	7.0 mm

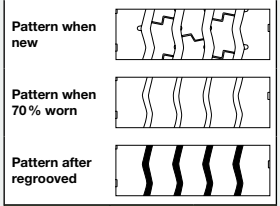
Highway/Regional

106ZS



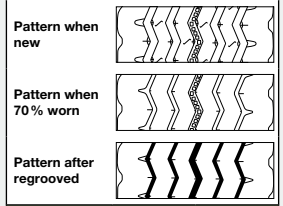
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
385/55R22.5	2.5 mm	7.0 mm
385/65R22.5	2.5 mm	7.0 mm

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

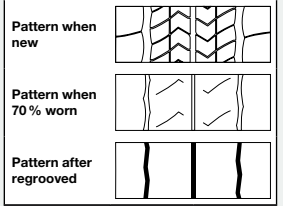
RY253



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

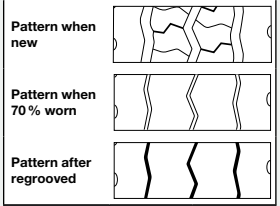
City Bus

120U



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

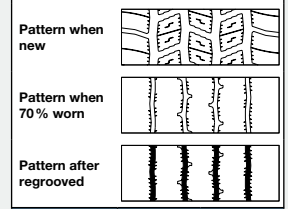
RY537



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

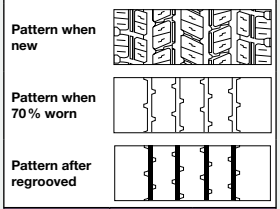
Winter

901ZS



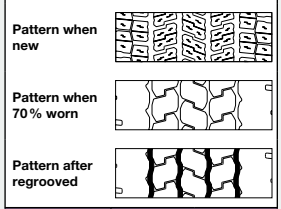
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	2.5 mm	7.0 mm
315/70R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

SY397

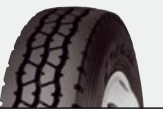


TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
12R22.5	3.0 mm	7.0 mm
315/70R22.5	3.0 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

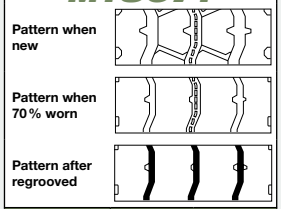
902W



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



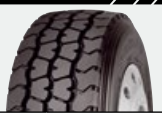
MY507
MY507T



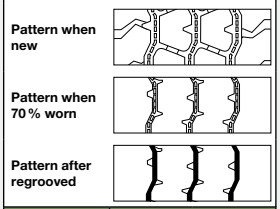
TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
275/70R22.5	3.0 mm	7.0 mm
265/70R19.5*	3.0 mm	7.0 mm

* = MY507T

Winter/On and Off Road



MY507A



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

LOAD AND INFLATION PRESSURE TABLE

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	8R17.5	117/116	S	2220	2395	2570					
			D	4320	4665	5000					
	8.5R17.5	121/120	S	2425	2620	2805	2900				
			D	4685	5055	5420	5600				
	10R17.5	143/141	S					4395		4665	
			D					8310		8820	
	245/70R17.5	136/134	S					3615		3835	
			D					6840		7260	
	205/75R17.5	124/122	S	2315	2495	2675		2855		3030	
			D	4340	4680	5020		5350		5680	
	215/75R17.5	135/133	S					3520		3735	
			D					6650		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	143/141	S					4295		4560	
			D					8120		8615	
		132/130	S					3475		3685	
			D					6600		7005	
19.5	245/70R19.5	141/140	S					4155		4410	
			D					8070		8560	
		136/134	S					3700		3930	
			D					7010		7435	
	265/70R19.5	143/141	S					4395		4665	
			D					8310		8820	
		140/138	S			4075		4345		4610	
			D			7690		8200		8700	
	285/70R19.5	150/148	S					5165		5480	
			D					9710		10305	
		146/144	S					4625		4905	
			D					8635		9160	
20	12.00R20	154/150	S					6050		6420	
			D					10810		11470	
	365/80R20	160	S							7360	
		158	S							6950	
22.5	9R22.5	136/134	S					3700		3930	
			D					7010		7435	
	10R22.5	144/142	S			4240		4520		4795	
			D			8020		8555		9075	
	11R22.5	151/148	S			5220		5565		5905	
			D			9535		10165		10785	
		148/145	S			4770		5085		5395	
			D			8780		9360		9930	
	12R22.5	152/148	S					5730		6080	
			D					10165		10785	
	13R22.5	156/150	S					6305		6690	
			D					10565		11210	
		154/150	S			5675		6050		6420	
			D			10140		10810		11470	
	355/50R22.5	156	S					6165		6545	
	295/60R22.5	150/147	S					5165		5480	
			D					9480		10060	
	315/60R22.5	154/148	S					5780		6135	
			D					9710		10305	
		152/148	S					5475		5805	
			D					9710		10305	
	275/70R22.5	152/148	S					5475		5805	
			D					9710		10305	
		150/148	S					5165		5480	
			D					9710		10305	
		148/145	S					4855		5155	
			D					8940		9485	
	305/70R22.5	152/148	S					5475		5805	
			D					9710		10305	
		150/148	S					5405		5735	
			D					10165		10785	

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		
4930		5190		5450		
9320		9810		10300		
4055		4270		4480		
7670		8080		8480		
3200						
6000						
3945		4155		4360		
7455		7850		8240		
4820		5075		5325	5450	
9105		9585		10065	10300	
3895	4000					
7405	7600					
4660		4905		5150		
9045		9525		10000		
4150		4370	4480			
7855		8275	8480			
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
6135		6460		6785		7100
10890		11465		12035		12600
6060		6385		6700		
11400		12005		12600		

Technical Information

Speed symbol

The speed 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 index.

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

Load index

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

LI	kg
115	1215
116	1250
117	1285
118	1320
119	1360
120	1400
121	1450
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

LI	kg
143	2725
144	2800
145	2900
146	3000
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

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					6165		6545	
			D					10330		10960	
		154/150	S					5780		6135	
			D					10330		10960	
		152/148	S					5730		6080	
			D					10165		10785	
	275/80R22.5	149/146	S					5245		5565	
			D					9680		10275	
	295/80R22.5	154/150	S					6050		6420	
			D					10810		11470	
		154/149	S					6050		6420	
			D					10490		11130	
		152/148	S					5730		6080	
			D					10165		10785	
	315/80R22.5	156/150	S					6455		6850	
			D					10810		11470	
		154/150	S					6200		6575	
			D					11075		11750	
	385/55R22.5	160	S					6935		7360	
		158	S					6860		7275	
	385/65R22.5	164	S					7710		8180	
		160	S					6935		7360	
		158	S					6860		7275	
	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, 106ZS	TY517E, 707L	RY357, RY253	–
Regional	124R,104ZR, 106ZS, RY023	704R, TY303	RY023T, Y785R, RY357, RY253	–
	RY103, Y793R			–
City Bus	120U, RY537		–	–
Coach	107ZL, 104ZR, 104ZR Spec-2, 124R		–	
On and Off Road	MY507, MY507A, MY547	301C, LY717, MY507, MY547	MY507A	less than 20%
Winter	TY287		–	–
	901ZS	902W	MY507, MY507T, MY507A	–

* 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.

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.

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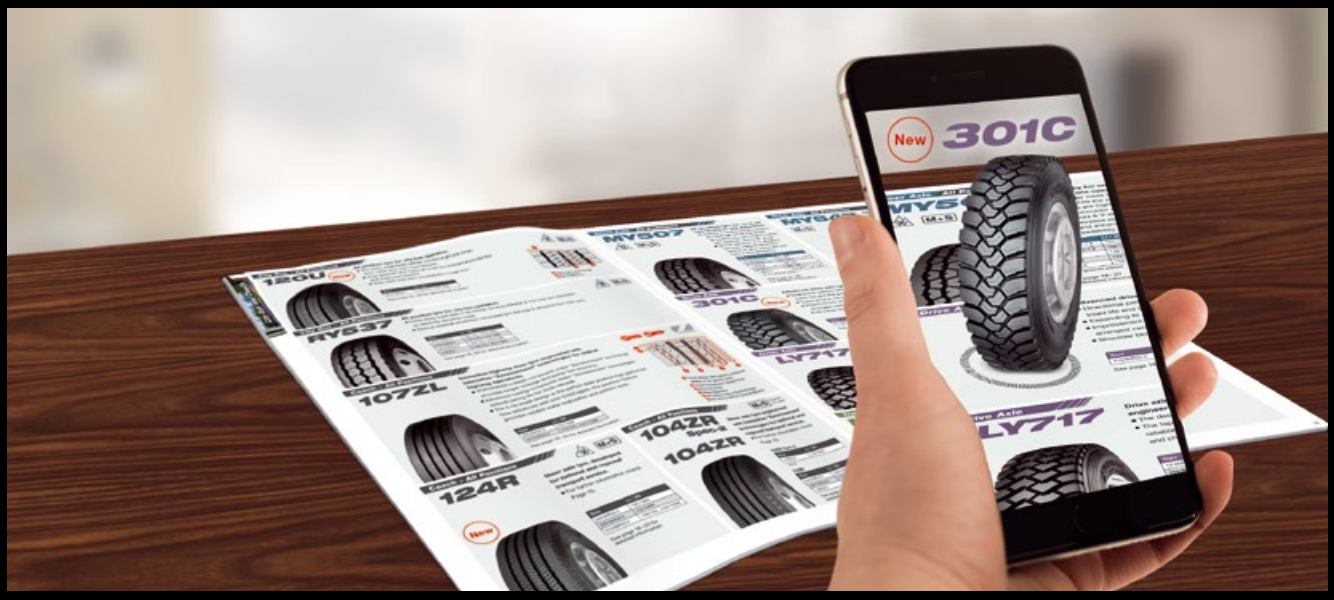
The YOKOHAMA Europe App uses dynamic content and advanced augmented reality to showcase our technology, products and areas of Global interest.
With a significant focus on innovation, safe tyres and products which are beneficial to society, use the app now and have direct access to a tyre-finder, product information, YOKOHAMA news and some surprises. https://www.yokohama-online.com/app



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