




## Tyre Selection Guide

Tyre Selection Reference	Axle position		
	Steer (Front)	Drive	Trailer
Type of operation			
Long Distance Transport (one way transport distance : more than 300km)	<b>107ZL, RY237</b>	<b>TY517(E), TY517</b>	<b>RY253, RY357, RY588</b>
Regional Distance Transport (one way transport distance : 300km or less)	<b>112R, 104ZR, RY023</b>	<b>TY607, TY303</b>	<b>RY023T, RY253, RY357</b>
	<b>TY287, Y785R</b>	<b>TY287, Y785R</b>	<b>RY588, TY287, Y785R</b>
	<b>Y793R</b>	<b>Y793R</b>	<b>Y793R</b>
On/Off Road Short Distance Transport	<b>MY507, MY547, Y773</b>	<b>LY717, LY053</b>	<b>MY507A</b>
Short Distance, Urban, Local Multistop Transport	<b>RY537, MY248</b>	<b>RY537, MY248</b>	<b>RY537, MY248</b>

- \* Never use the unmatched tread pattern for their intended service conditions. Please consult YOKOHAMA distributors for detail, if some vehicle operations require specialized tyre fitment.
- \* RY237 shall be used only on steer axle in long distance smooth road operation to deliver the maximum performance.
- \* TY607 shall be used only on regional transport for maximum performance.
- \* RY253 can be used on steer axle in long/regional operations too.
- \* MY507A can be used on steer axle in on & off short distance operation too.
- \* The steer tyres above might be used on drive axles in case of normal highway conditions.
- Availability of products shown in this table may vary from country to country. Please consult your YOKOHAMA distributor for local availability.

**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 all 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 the 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 tyre/wheel assembly during inflation.
- After beads are fully seated, adjust the tyre to recommended inflation pressure of vehicle manufacturer.
- Never mount radials and bias tyres on the same axle. Follow vehicle manufacturer's recommendations.
- Tyres must be removed from the vehicle when remaining tread depth reaches regulated minimum tread depth in a country.
- 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 the likes that could damage a tyre should be safely avoided.
- To preserve traffic safety and tyre life, YOKOHAMA recommends driving safely and avoiding from hard acceleration, braking or cornering in unnecessary situation.
- When you feel the vehicle unstable or feel unusual noise or vibration, stop your vehicle in a safe place and inspect tyres. Even if no visible defects are found, drive slowly and ask your tyre dealer to inspect such tyre as soon as possible.

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

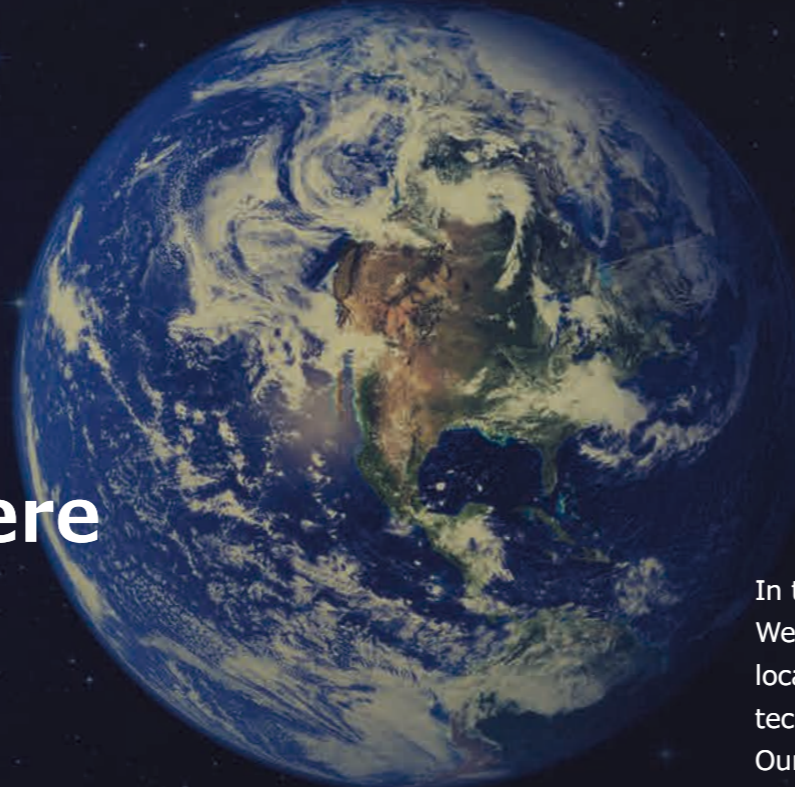
- If the tread has worn to the tread wear indicator.
- If breaks in the fabric appear.
- If cords or wires are exposed.

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

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# Delivering top quality YOKOHAMA Tyres to customers everywhere

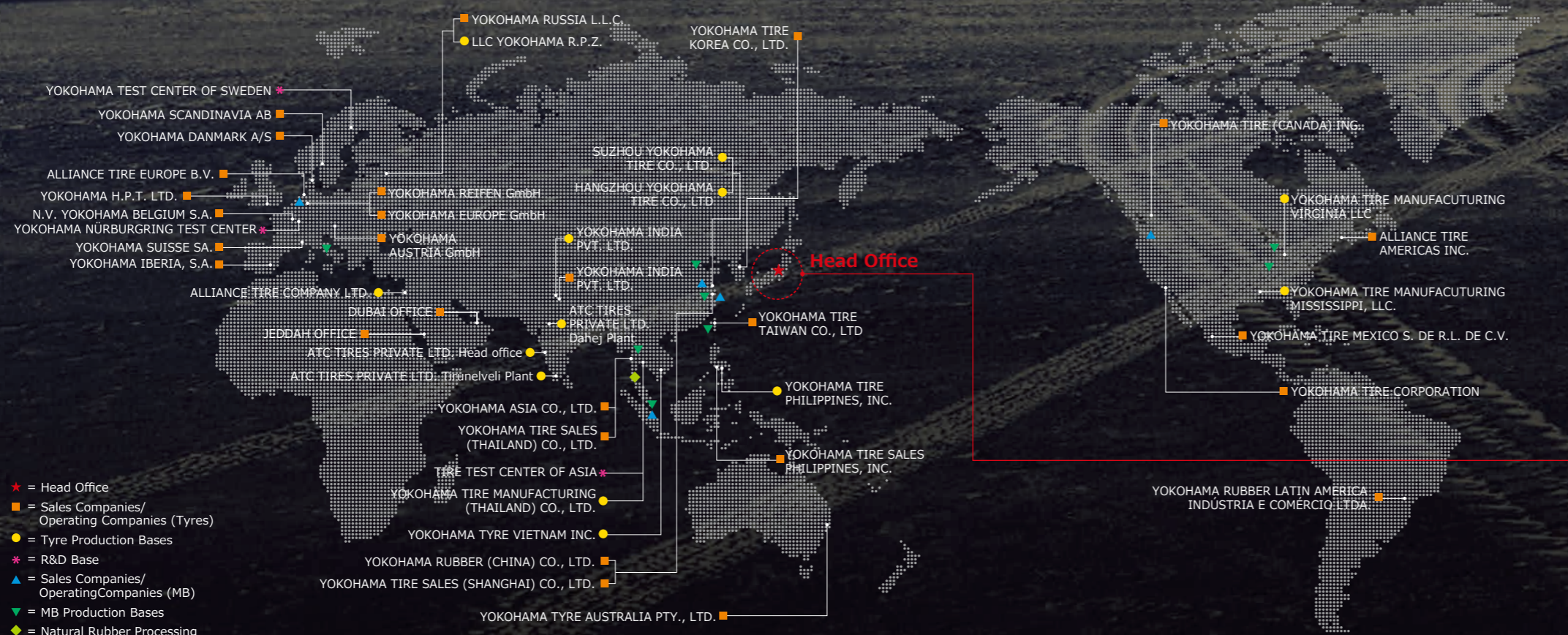


We at YOKOHAMA will be celebrating our 100th anniversary in 2017. Ever since we were established, our focus as a tyre manufacturer has been to produce the highest quality tyres possible, since tyres are a component critical to vehicle safety. Thanks to the loyalty of our customers, our company now manufactures and delivers tyres to destinations around the world. We are pleased to provide this product that serves to support the daily lives of our customers and keep them fully satisfied.

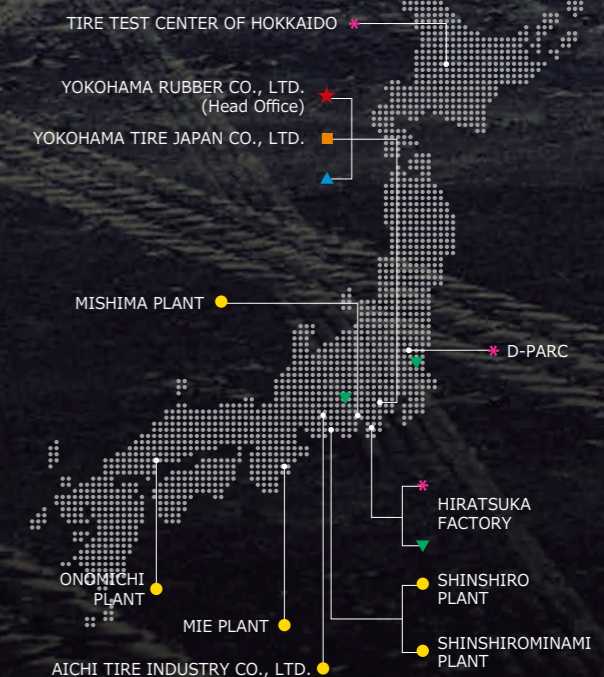
In this connection, we work to boost our technologies on a daily basis. We integrate not only our tyre plants in Japan but at our overseas locations with cutting-edge production facilities and sophisticated technology standards to produce the highest quality product. Our promise is to deliver products that customers love from our plants across the globe to customers around the world.

At YOKOHAMA, we are keenly aware of the changing times, which means we never lose our passion to continuously improve safety, quality, and performance — no matter where our tyres are produced.

## YOKOHAMA Global



## Head Office



## YOKOHAMA at a Glance

Since its establishment in 1917, The Yokohama Rubber Co., Ltd. (YRC) has introduced a wide range of tyre, industrial, golf and other products. For the benefit of every customer and society, we are dedicated to continuously advancing all production, sales and technology development processes within the YOKOHAMA Group in Japan and throughout the world. Our mission is to "deliver the best products at competitive prices and on time." This, of course, requires the utmost attention to safety and environmental concerns.

Each and every member of the YOKOHAMA Group puts great passion and commitment into providing leading technologies and products that meet the needs of the times. Our earnest hope is to contribute to the well-being of people, society and the world.

## Research and Development

Reliable technology based on world-class research and development is essential for developing and providing YOKOHAMA products that are safe and reliable, while also helping to preserve the environment. At every stage of design, testing and assessment, YOKOHAMA takes a comprehensive multi-faceted approach toward realising advances in macromolecular and other technologies to make materials and products as beneficial as possible.



### RADIC

RADIC (Research and Development Integrated Center) has been at the core of YOKOHAMA's leading-edge R&D operations since being established in 1991. State-of-the-art instruments such as supercomputers, electron microscopes, ESCA (electron spectroscopy for chemical analysis) systems and a nuclear magnetic resonance spectrometer are used in pursuing materials development and product design and in conducting simulations under various conditions.



### D-PARC

D-PARC (Daigo Proving-ground and Research Center) is YOKOHAMA's comprehensive tyre test course facility that includes a speed oval course, steering and stability track, comfort test track with multiple surfaces made of materials sourced from around the world and handling test track simulating winding road conditions.



## Tyre Group

By developing and manufacturing a wide range of high-quality tyres, we earn the trust of people across the spectrum of society who rely on YOKOHAMA products. These range from car tyres with a distinctive flair to reliable truck and bus tyres that support essential transport and logistics needs and extra-tough off-the-road tyres at resource development, mining and construction sites.

### Truck & Bus Tyres

Truck and bus tyres have to adapt to all seasons, surfaces and other conditions, as well as provide reliable basic performance. YOKOHAMA supplies a wide range of truck and bus tyres worldwide that meet such requirements and enable cost-effective operation, efficient running, long product life and uncompromising safety under all circumstances.



Light Truck Tyres



Passenger Car Tyres



Off-the-Road Tyres

## Long Distance Transport

P. 10 . 11

### Steer axle



107ZL RY237

### Drive axle



TY517(E)M+S TY517M+S

### Trailer axles



RY253 RY357 RY588

## Regional Distance Transport

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### Steer axle



112R 104ZR RY023

### Drive axle



TY607M+S TY303M+S

### Trailer axles



RY023T RY253 RY357 RY588

### All positions



TY287M+S Y785R Y793R

## On/Off Road Short Distance Transport

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### Steer axle/All positions



MY507M+S MY547M+S Y773

### Drive axle



LY717M+S LY053

### Trailer axles



MY507AM+S

## Short Distance, Urban, Local Multistop Transport/Light Truck

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### All positions



RY537 RY248

### Light Truck



LT151R

### 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)
- 107ZL : Rib (Zenvironment Series, Long Distance Steer)
- 104ZR : Rib (Zenvironment Series, Regional Distance Steer)
- 112R : Rib (Regional Distance Steer/All position)

**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 specialized tyre fitment.  
\*Some sizes of this tyre can be used on different axles. Please contact your local YOKOHAMA distributor for details.

# INTRODUCING YOKOHAMA TECHNOLOGIES

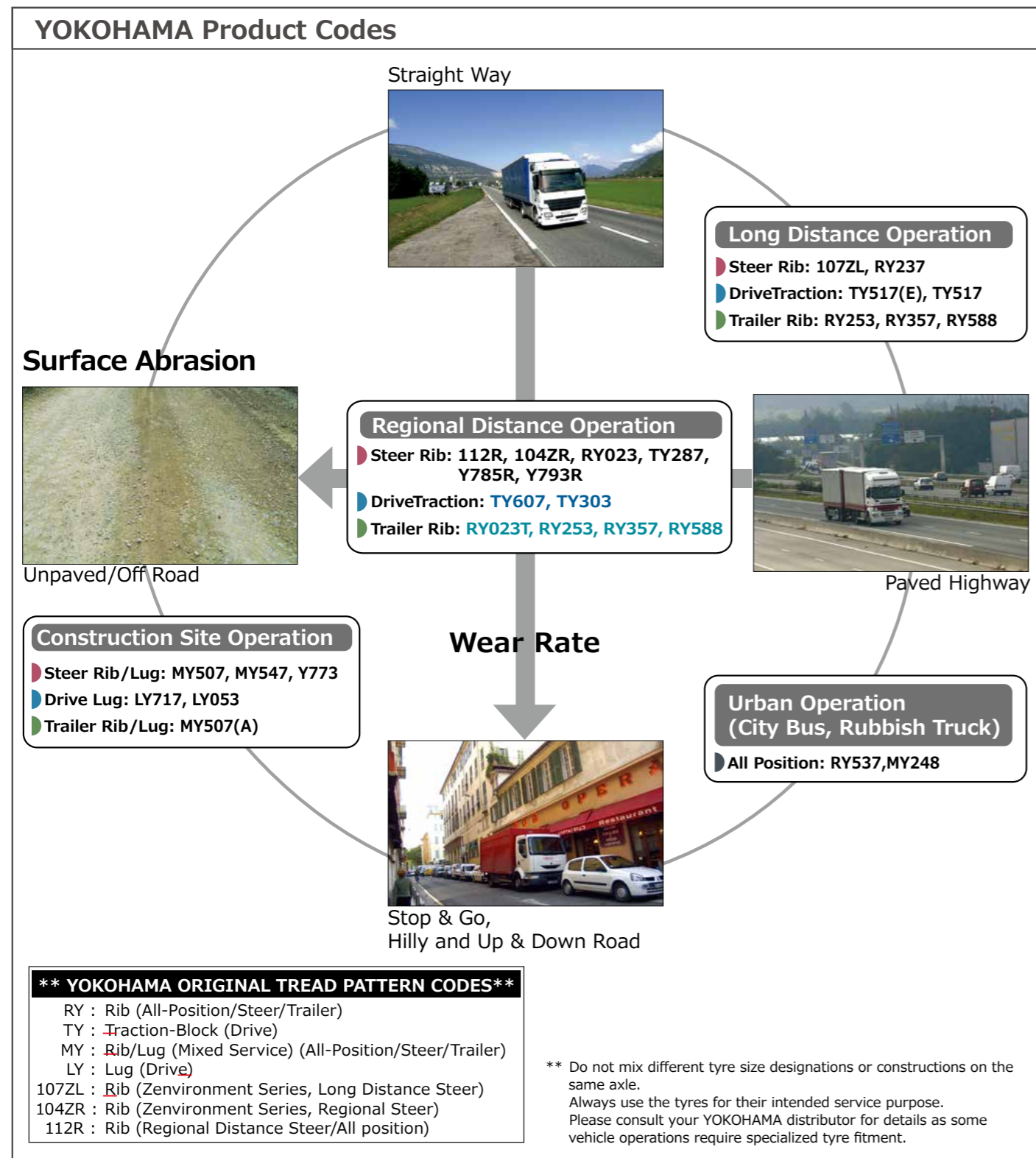
A new era in the development of truck and bus tyres.



## PRODUCT CONCEPT

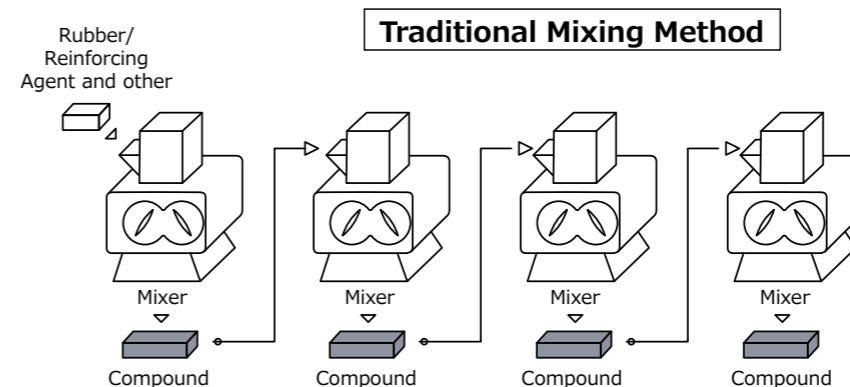
YOKOHAMA's aim is to decrease your cost per kilometer by ensuring increased tread life and even wear without sacrificing other aspects of performance like traction, handling stability, riding comfort, retreadability and fuel economy.

These aspects of performance are often trade-offs, but YOKOHAMA's engineers have created the technology to maximize each performance factor, without losing out in any area.

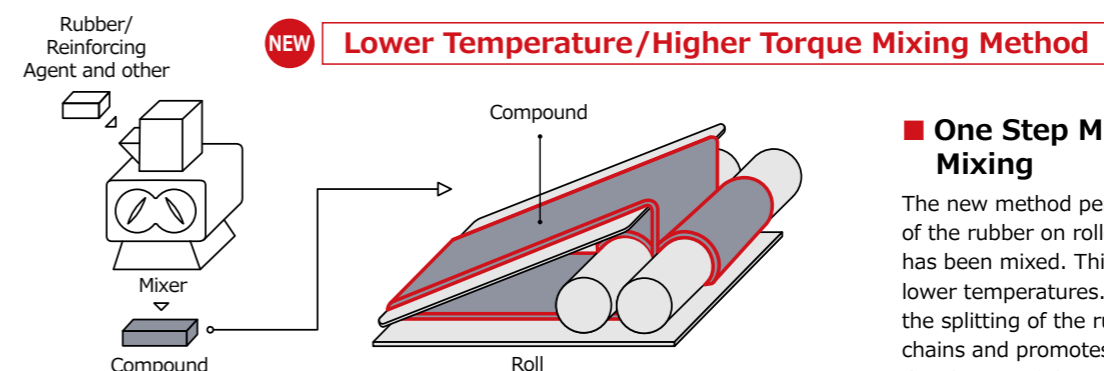


## Lower Temperature/Higher Torque Mixing Method

A new compound mixing method has increased the durability of tyres.

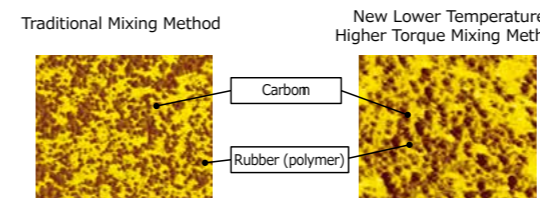


**Multi-Step Mixing**  
The traditional multi-step mixing process mixes and kneads the rubber simultaneously. The long periods of mixing result in high temperatures, which tend to cause deterioration in the quality of the rubber.



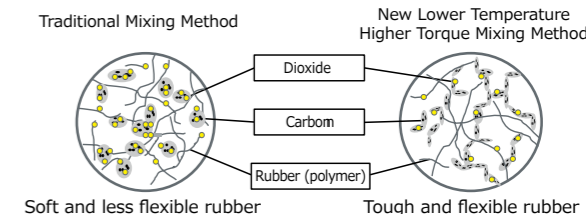
**One Step Mixing & Roll Mixing**  
The new method performs the kneading of the rubber on rollers after the rubber has been mixed. This process results in lower temperatures. It thus minimizes the splitting of the rubber's long polymer chains and promotes a more even distribution of the carbon black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

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



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

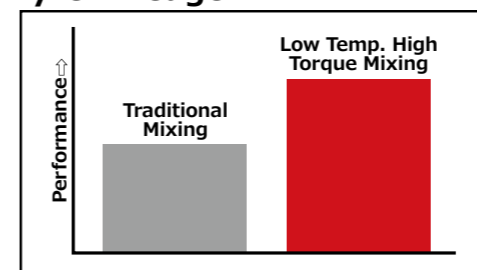
### Rubber Structure Model



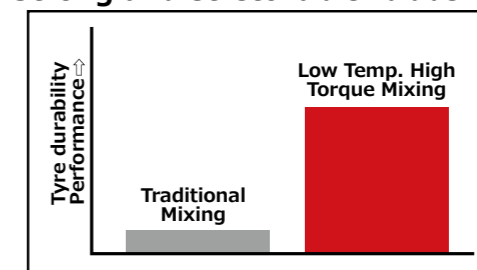
The new Lower Temperature & Higher Torque Mixing Method significantly reduces dioxide obstacles and disperses carbon in rubber evenly.

## Performance

### Tyre Mileage



### Strong and stretchable rubber



# YOKOHAMA: MAXIMIZE YOUR PERFORMANCE

Recommendations to ensure the top performance of your YOKOHAMA tyres.



## Tyre Construction

### Tread

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

### Belt Edge Cushion

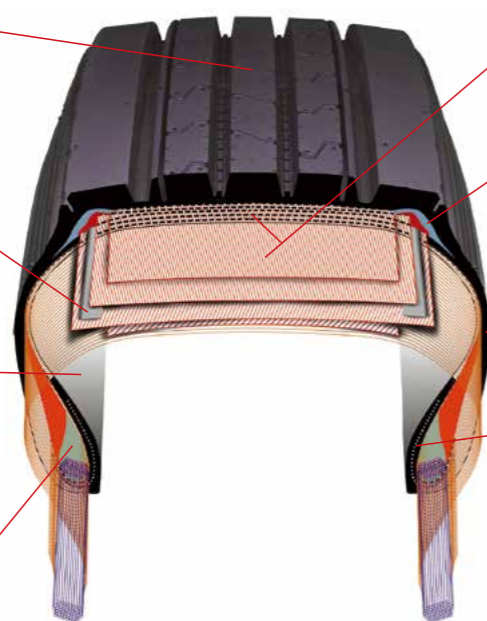
YOKOHAMA tyres feature a belt edge cushion to help prevent separation of the belt edges, and therefore the tread, caused by the scissoring effect of the belts.

### Inner Liner

YOKOHAMA's inner liner is specially designed to minimize 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.

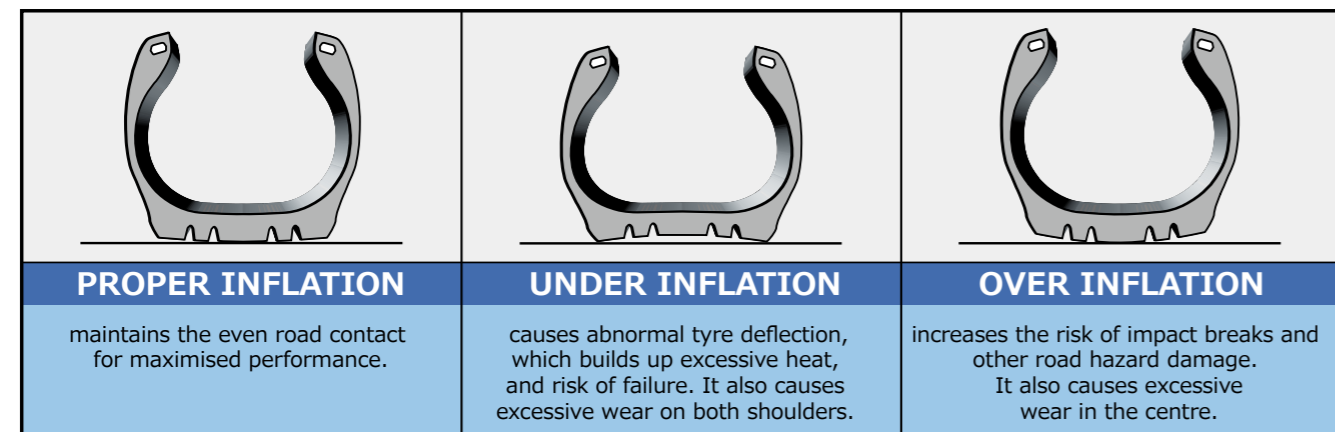
### Rim Cushion

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

## Inflation Pressure

Truck tyres for commercial vehicles must be inflated to a pressure\* suitable for 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 recommendation for inflation pressures in this booklet.

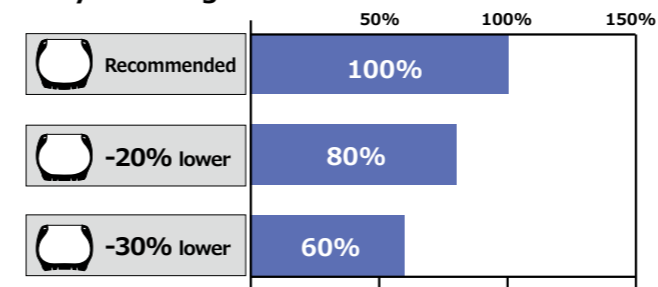


Tyre pressures should be checked on cold tyres at least every two weeks, using a calibrated pressure gauge. Tyres with lower profiles must be checked strictly due to their less visible sidewall deflection.

## Tyre Wear Factors

### INFLATION PRESSURE

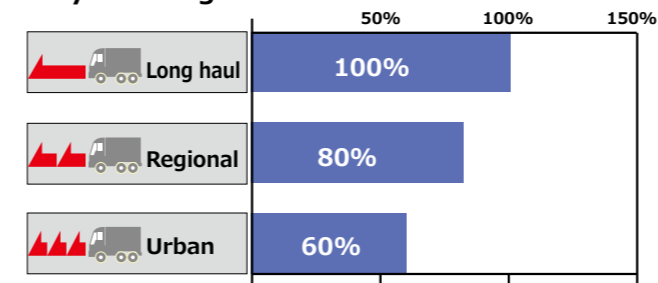
#### ● Tyre Mileage Index in %



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

### STOP/GO OPERATION (Braking Abrasion)

#### ● Tyre Mileage Index in %



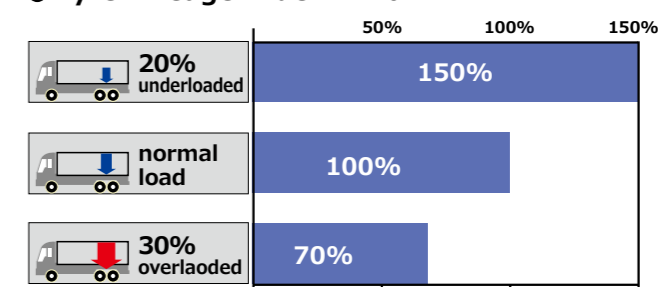
Frequent "stop and go" results in additional stress and abrasion to tyres. YOKOHAMA recommends mild steering & braking especially while turning and curving in urban and local use.

### Regrooving

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

### CARRYING LOAD

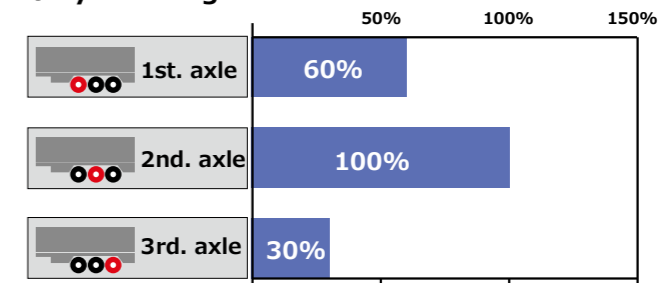
#### ● Tyre Mileage Index in %



The tyre wear depends upon load carried. YOKOHAMA recommends maintaining the correct axle and pay loads.

### TRAILER AXLES (without liftup and/or steer axle)

#### ● Tyre Mileage Index in %



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

## ECOLOGY-FUEL ECONOMY

The ecology and fuel economy issues are of great importance to transportation companies. YOKOHAMA tyres are designed to deliver excellent fuel economy with minimized trade-off of other performance aspects such as wet performance & tyre life.

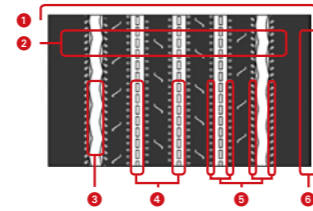


## Steer axle

# 107ZL

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

- Newly-developed tread compound under "Zenvironment" technology provides longer mileage and better fuel economy.
- New 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 excellent water evacuation and uniform wear.



- ① Tread design with special contoured design of the groove walls
- ② Newly-developed Tread Compound/ Deep Tread
- ③ Wavy Grooves
- ④ Stone Ejectors
- ⑤ SC-Sipe
- ⑥ SC-Groove



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
107ZL	295/80R22.5	16	152/148M	TL	303	1053	489	9.00	8.25, 9.00
	315/70R22.5	16	156/150L (154/150M)	TL	313	1017	473	9.00	9.00, 9.75
	315/80R22.5	20	156/150L (154/150M)	TL	314	1075	499	9.00	9.00, 9.75

## Steer axle

# RY237

Steer axle tyre engineered with advanced YOKOHAMA's technologies for long-haul operation.

- The wide tread design with YOKOHAMA's original SC Groove (Stress-wear Control Groove) is engineered to reduce irregular tread wear and increase mileage.
- YOKOHAMA latest profile & construction improves retreadability and durability by extending casing life.



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

\*SC : Stress-wear (uneven wear) Control



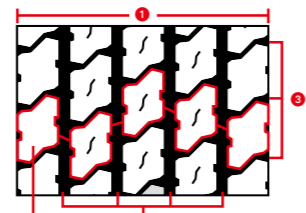
PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY237	10.00R20	16	148/145L	TT	277	1050	499	7.50	7.00, 7.50, 8.00
	11.00R20	16	150/146L	TT	293	1080	505	8.00	7.50, 8.00, 8.50
	11R22.5	16	148/145M	TL	275	1050	490	8.25	7.50, 8.25
	12R22.5	16	152/148M	TL	296	1081	497	9.00	8.25, 9.00

## Drive axle

# TY517(E)<sub>M+S</sub>

Drive axle tyre designed with YOKOHAMA's advanced technologies for long-haul operation.

- Wide & deep 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 minimises shoulder heel & toe wear.



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



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
	*11R22.5	16	148/145M	TL	275	1069	501	8.25	7.50, 8.25
TY517(E)	295/80R22.5	-	152/148M	TL	299	1064	478	9.00	8.25, 9.00
	315/80R22.5	18	154/150M (156/150L)	TL	314	1089	488	9.00	9.00, 9.75

\*=TY517 available size

## Trailer axles

# RY253

Wide base Long haul/Regional use tyre engineered primarily for the trailer axles.

RY253 can be used on steer axle to deliver handling performance & shoulder wear resistance.

- 6-rib tread design enhances even wear & wet traction.
- Retreadability from a specially constructed casing.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY253	425/65R22.5	20	165K	TL	422	1126	520	13.00	12.25, 13.00, 14.00
	445/65R22.5	20	168K	TL	444	1154	532	14.00	13.00, 14.00



## Trailer axles

# 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 traction.
- Specially constructed casing makes this tyre well-suited for retreading.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY357	385/55R22.5	18	160J (158L)	TL	380	998	460	12.25	11.75, 12.25
	385/65R22.5	18	160J (158L)	TL	380	1074	497	11.75	11.75, 12.25



## Trailer axles

# RY588

All-purpose trailer tyre for long distance/regional operations. (available: 11R22.5 only)

- 5-rib tread design with straight grooves enhances even wear & wet traction.
- Casing construction provides durability & retreadability for trailer service.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY588	11R22.5	16	148/145M	TL	278	1043	488	8.25	7.50, 8.25



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 supplementary operational possibilities.

# Regional Distance Transport



## Steer/All Position

# 112R NEW

Specially designed for ASEAN market

- Enhanced cut resistance and chipping compared with 104ZR
- Wide tread enhances wear resistance and high grip
- Adopt new pattern considering chipping

### Tread & Side Design

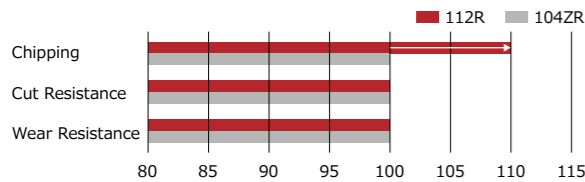


### CAP Compound

Featured performance - Cut resistance  
Adopting "High grade carbon" makes it strong for cut & chipping.  
High elongation at break improves cut resistance performance.



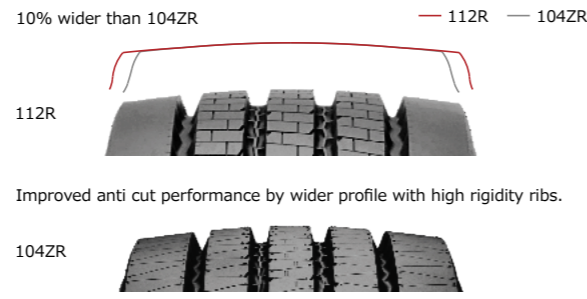
### Performance chart



	Wear Resistance	Cut Resistance	Chipping
112R	100	100	110
104ZR	100	100	100

Improved chipping performance by 10% compared with 104ZR.

### Profile comparison



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
112R	11R22.5	16	148/145M	TL	278	1052	493	8.25	7.50, 8.25
	295/80R22.5	16	152/148M	TL	303	1052	491	9.00	8.25, 9.00

## Steer axle

# 104ZR

Steer axle tyre engineered with innovative "Zenvironment" technologies for regional/highway service.

- The 5-rib tread design with straight grooves enhances even wear & wet traction.
- SC-SIPE (Stress-Wear Control Sipe) design improves abnormal wear on rib edges.
- Newly-designed stone ejectors and wavy grooves minimize stone holding & penetration in ordinal regional operation.
- Newly-developed tread compound under "Zenvironment" technology provides longer mileage and better fuel economy.  
This technology is available in major product sizes.
- New casing compounds under "Zenvironment" technologies extend casing life for multi-retread.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
104ZR	9R22.5	14	136/134L	TL	231	969	454	6.75	6.00, 6.75, 7.50
	10R22.5	14	144/142L	TL	255	1018	476	7.50	6.75, 7.50, 8.25
	11R22.5	16	148/145M	TL	277	1056	493	8.25	7.50, 8.25
	245/70R19.5	14	136/134M	TL	246	848	396	7.50	6.75, 7.50
	265/70R19.5	14	140/138M	TL	261	871	404	7.50	6.75, 7.50
	285/70R19.5	16	146/144M	TL	284	893	413	8.25	7.50, 8.25, 9.00
	295/80R22.5	16	152/148M	TL	303	1057	491	9.00	8.25, 9.00
315/80R22.5	20	156/150L (154/150M)	TL	314	1080	499	9.00	9.00, 9.75	



## Steer/Trailer axles

# RY023 (RY023T)

Steer axle tyre for regional/highway service. (RY023T with higher load index only for trailer use.)

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

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY023	205/75R17.5	-	124/122M	TL	207	760	354	6.00	5.25, 6.00, 6.75
	215/75R17.5	-	126/124M	TL	215	776	360	6.00	6.00, 6.75
	235/75R17.5	-	132/130M	TL	238	805	372	6.75	6.75, 7.50
	245/70R19.5	14	136/134M	TL	247	845	394	7.50	6.75, 7.50
	265/70R19.5	14	140/138M	TL	262	870	402	7.50	6.75, 7.50
	285/70R19.5	16	146/144M	TL	283	892	413	8.25	7.50, 8.25, 9.00
	11R22.5	16	148/145M	TL	275	1052	491	8.25	7.50, 8.25
	12R22.5	16	152/148M	TL	291	1084	504	9.00	8.25, 9.00
	255/70R22.5	16	140/137L	TL	255	931	436	7.50	6.75, 7.50, 8.25
	305/70R22.5	-	152/148L (150/148M)	TL	310	1000	466	9.00	8.25, 9.00
RY023T	295/80R22.5	16	152/148M	TL	299	1054	490	9.00	8.25, 9.00
	315/80R22.5	18	154/150M (156/150L)	TL	313	1079	501	9.00	9.00, 9.75
	215/75R17.5	-	135/133J	TL	215	776	360	6.00	6.00, 6.75
	235/75R17.5	-	143/141J	TL	238	805	372	6.75	6.75, 7.50
	245/70R19.5	-	141/140J	TL	247	845	394	7.50	6.75, 7.50
	265/70R19.5	-	143/141J	TL	262	870	402	7.50	7.50, 8.25
	285/70R19.5	-	150/148J	TL	283	892	413	8.25	7.50, 8.25, 9.00



## Drive axle

# TY303M+S

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 resists against cutting/chipping & extends mileage.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
TY303	215/75R17.5	-	126/124M	TL	206	771	357	6.00	6.00, 6.75
	265/70R19.5	14	140/138M	TL	262	875	405	7.50	6.75, 7.50
	285/70R19.5	16	146/144M	TL	283	900	417	8.25	7.50, 8.25, 9.00
	305/70R22.5	-	152/148L (150/148M)	TL	310	1012	470	9.00	8.25, 9.00

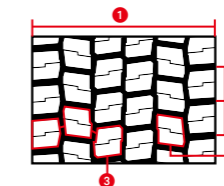


## Drive axle

# TY607M+S

Drive axle tyre for regional operation.

- Extra deep tread design with wide tread produces long tread life for regional service.
- Aggressive block tread with lateral lug grooves delivers excellent wet traction.
- Alternated block placement with short blocks enhances even wear.



- ① Extra deep design with wide tread
- ② Aggressive block tread with lateral lug grooves
- ③ Alternated block placement with short blocks

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
TY607	11R22.5	16	148/145M	TL	277	1064	499	8.25	7.50, 8.25
	12R22.5	16	152/148L	TL	300	1100	514	9.00	8.25, 9.00
	295/80R22.5	16	152/148M	TL	303	1068	497	9.00	8.25, 9.00
	315/70R22.5	-	154/150L (152/148M)	TL	315	1031	478	9.00	9.00, 9.75
	315/80R22.5	18	154/150M (156/150L)	TL	316	1093	510	9.00	9.00, 9.75



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 supplementary operational possibilities.



## Trailer axles

### RY253

Wide base Long haul/Regional use tyre engineered primarily for the trailer axles. RY253 can be used on steer axle to deliver handling performance & shoulder wear resistance.

- 6-rib tread design enhances even wear & wet traction.
- Retreadability from a specially constructed casing.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY253	425/65R22.5	20	165K	TL	422	1126	520	13.00	12.25, 13.00, 14.00
	445/65R22.5	20	168K	TL	444	1154	532	14.00	13.00, 14.00



## All positions

### TY287<sub>M+S</sub>

Multi purpose tyre for regional operations on paved road.

- Good traction on rainy and snowy roads.
- At approximately 60% of tread wear, the tread design becomes a rib pattern suitable for normal highway use.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
TY287	11R22.5	16	148/145L	TL	275	1055	493	8.25	7.50, 8.25
	275/70R22.5	-	148/145L	TL	277	969	451	8.25	7.50, 8.25



## Trailer axles

### 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 traction.
- Specially constructed casing makes this tyre well-suited for retreading.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY357	385/55R22.5	18	160J (158L)	TL	380	998	460	12.25	11.75, 12.25
	385/65R22.5	18	160J (158L)	TL	380	1074	497	11.75	11.75, 12.25



## All positions

### Y785R

All purpose tyres including low platform trailer tyre.

- 5-rib tread design with straight grooves enhances even wear & wet traction.
- Casing construction provides durability & retreadability for heavy trailer service.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
Y785R	8.25R20	14	136/134L	TT	230	967	452	6.50	6.00, 6.50, 7.00
	10.00R20	16	146/144K	TT	272	1048	486	7.50	7.00, 7.50, 8.00



## Trailer axles

### RY588

All-purpose trailer tyre for long distance/regional operations. (available: 11R22.5 only)

- 5-rib tread design with straight grooves enhances even wear & wet traction.
- Casing construction provides durability & retreadability for trailer service.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY588	11R22.5	16	148/145M	TL	278	1043	488	8.25	7.50, 8.25



## All positions

### Y793R

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

- Pattern design with wide tread produces long mileage.
- The tread compound resists against cutting/chipping.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
Y793R	9R22.5	14	136/134L	TL	227	973	457	6.75	6.00, 6.75, 7.50





# On/Off Road Short Distance Transport

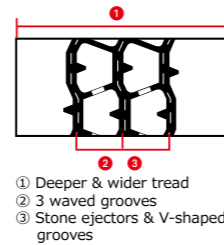


## Steer axle/All positions

### MY507<sub>M+S</sub>

All-purpose, all-position tyre for on & off construction-site operation. (Available only tubeless sizes)

- Deeper & wider tread increases the mileage while the solid shoulder ribs resist against shoulder wear.
- 3 or 4 waved grooves produce traction and drainage.
- Stone ejectors & V-shaped grooves decrease stone holding to enhance retreadability.



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



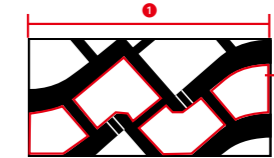
PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY507	11R22.5	16	148/145K	TL	275	1070	500	8.25	7.50, 8.25
	12R22.5	16	152/148K	TL	296	1092	508	9.00	8.25, 9.00
	13R22.5	18	154/150K	TL	317	1133	528	9.75	9.00, 9.75
	255/70R22.5	16	140/137K	TL	254	934	436	7.50	6.75, 7.50, 8.25
	275/70R22.5	16	148/145K	TL	277	968	450	8.25	7.50, 8.25
	295/80R22.5	16	152/148K	TL	299	1061	493	9.00	8.25, 9.00
	315/80R22.5	-	156/150K	TL	312	1087	503	9.00	9.00, 9.75

## Drive axle

### LY717<sub>M+S</sub>

Drive axle tyre for on & off construction-site operation.

- Aggressive 4-block tread design with shoulder lugs produces dependable traction on rough surfaces.
- Deeper & wider tread increase the mileage.
- Tapered tread grooves reduce stone holding while newly-developed tread compound resists against cutting/chipping.



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



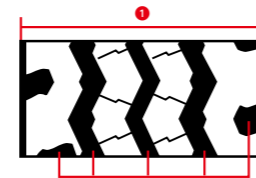
PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
LY717	11.00R20	16	150/146K	TT	293	1095	511	8.00	7.50, 8.00, 8.50
	12.00R20	18	154/150K	TT	312	1136	527	8.50	8.00, 8.50, 9.00
	11R22.5	16	148/145K	TL	277	1063	497	8.25	7.50, 8.25
	12R22.5	16	152/148K	TL	296	1094	511	9.00	8.25, 9.00
	13R22.5	18	154/150K (156/150G)	TL	317	1135	529	9.75	9.00, 9.75
	295/80R22.5	16	152/148K	TL	302	1064	496	9.00	8.25, 9.00
	315/80R22.5	18	156/150K (154/150M)	TL	314	1095	507	9.00	9.00, 9.75

## Steer axle/All positions

### MY547<sub>M+S</sub>

All-purpose, all-position tyre for on & off construction-site operation. (Available only tube- type sizes)

- Deeper tread produces longer mileage while the shoulder ribs resist against shoulder wear.
- 3 zigzag grooves with shoulder lugs produce traction and enhance smooth wear in local operation.



- 1 Deeper tread
- 2 3 zigzag grooves with shoulder lugs



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY547	10.00R20	16	148/145K	TT	277	1059	495	7.50	7.00, 7.50, 8.00
	11.00R20	16	150/146K	TT	293	1088	507	8.00	7.50, 8.00, 8.50
	12.00R20	18	154/150K	TT	315	1129	525	8.50	8.00, 8.50, 9.00
	12.00R24	18	156/153K	TT	312	1222	568	8.50	8.50, 9.00

## Drive axle

### LY053

Drive axle tyre for logging and quarrying operations with some short haul highway use possible.

- Engineered to provide dependable traction and durability.
- Specially deep tread depth and cut-resistant tread compound deliver good tyre mileage.



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
LY053	11.00R20	16	-	TT	291	1103	515	8.00	7.50, 8.00, 8.50
	11R22.5	16	-	TL	272	1072	502	8.25	7.50, 8.25
	12R22.5	16	-	TL	291	1103	515	9.00	8.25, 9.00

## Steer axle/All positions

### Y773

All-purpose, all-position tyre for on & off construction-site operation such as dump or logging.

- Wide tread design with shoulder lugs delivers long mileage & traction.
- The tread compound resists against cutting/chipping for extended mileage & retreadability.



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
Y773	9.00R20	14	141/138L	TT	257	1017	476	7.00	6.00, 6.00T, 6.50, 7.00, 7.50
	11.00R20	16	150/146K	TT	293	1084	507	8.00	7.50, 8.00, 8.50
	295/80R22.5	16	152/148K	TL	303	1054	490	9.00	8.25, 9.00
	315/80R22.5	20	156/150K	TL	313	1082	501	9.00	9.00, 9.75

## Trailer axle

### MY507A<sub>M+S</sub>

Wide base ON & OFF trailer tyre for on & off construction-site operation.

- Wide & deep tread design produces long tread life.
- Aggressive traction tread with transverse sub grooves enhances traction over rough surfaces.
- Stone ejectors & funnel-shaped grooves decrease stone holding to enhance retreadability.



PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY507	265/70R19.5	-	143/141J	TL	260	873	405	7.50	7.50, 8.25
	385/65R22.5	18	160J	TL	378	1082	501	11.75	11.75, 12.25
MY507A	425/65R22.5	20	165K	TL	420	1134	520	13.00	12.25, 13.00, 14.00
	445/65R22.5	20	169K	TL	440	1161	534	13.00	13.00, 14.00

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 supplementary operational possibilities.

# Short Distance, Urban, Local Multistop Transport/Light Truck



## All positions

### RY537

All position tyre for urban bus operation.

- Extra deep tread with 4-rib design enhances long mileage & low cost per kilometer on severe abrasion operation.
- Sidewall protections minimise scuff damage & abrasion from curb.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
RY537	11R22.5	-	148/145J (151/148E)	TL	281	1065	495	8.25	7.50, 8.25
	275/70R22.5	-	148/145J (152/148E)	TL	277	972	451	8.25	7.50, 8.25
	295/80R22.5	-	152/148J (154/150E)	TL	304	1063	495	9.00	8.25, 9.00



## All positions

### MY248

All-position radial for urban operating trucks and buses.

- Deep tread and shoulder lug produce excellent long life and traction.

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
MY248	11.00R20	16	150/146K	TT	293	1085	506	8.00	7.50, 8.00, 8.50
	12R22.5	16	-	TL	296	1085	506	9.00	8.25, 9.00



## Light Truck

### LT151R

For Light Truck Tyre

- Strong resistance to wear and long-lasting performance.
- Total balanced performance tyre
- wear resistance, durability, wet performance and anti-uneven wear —

PATTERN	SIZE	PR	LI/SS	TUBE	Overall Width (mm)	Overall Diameter (mm)	Loaded Radius (mm)	Measuring Rim (inch)	Approved Rim (inch)
LT151R	175/75R15	12	103/101L	TL	172	643	293	5.0J	5.0J, 5.5J
	195/75R15	12	109/107L	TL	194	672	304	5.5J	5.0J, 5.5J, 6.0J
	175/80R15	8	101/99L	TL	173	660	299	5.0J	4.5J, 5.0J, 5.5J
	185/85R16	12	111/109L	TL	186	721	326	5.0J	4.5J, 5.0J, 5.5J, 6.0J
	195/85R16	12	114/112L	TL	199	739	333	5.5J	5.0J, 5.5J, 6.0J
	205/70R16	12	111/109L	TL	207	692	315	6.0J	5.5J, 6.0J, 6.5J
	205/75R16	12	113/111L	TL	203	713	323	5.5J	5.0J, 5.5J, 6.0J, 6.5J
	205/85R16	12	117/115L	TL	207	755	339	5.5J	5.0J, 5.5J, 6.0J, 6.5J
	215/85R16	12	120/118L	TL	216	773	346	6.0J	5.5J, 6.0J, 6.5J, 7.0J
	195/70R15.5	12	109/107L	TL	194	666	303	6.0J	5.25SW, 6.0SW, 5.25SWA
205/70R17.5	12	115/113L	TL	204	731	334	6.0J	5.25, 6.00, 6.75	
215/70R17.5	12	118/116L	TL	206	745	339	6.0J	6.00, 6.75	
205/80R17.5	12	120/118L	TL	205	773	350	6.0J	5.25, 6.00	



# The Prevention of Uneven Wear

## Influence of uneven wear

- Mileage will be shorter.
- Driving stability deteriorates.
- Fuel cost increases.

It is necessary to prevent uneven wear to reduce expenditure for the tyres.

## The main causes of degeneration

- Air pressure is not correct.
- Difference of outside diameter or air pressure of dual tyres.
- Incorrect alignment.
- Lack of vehicle maintenance.

The most crucial factor to avoid uneven wear is maintaining proper air pressure.

## Typical Patterns of Uneven Wear

### Centre Wear

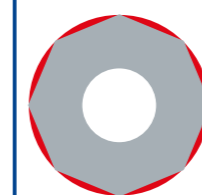
The centre of the tread wearing faster than the shoulders.



- Causes:**
1. Overinflation.
  2. Improper matching of tyres and rims.

### Wavy (Polygonal) Wear

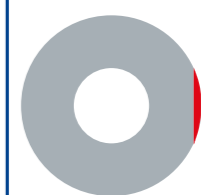
Wavy conditions are created on some part of, or on whole circumference, of tread.



- Causes:**
1. Excessive run-out of tyre & rim assembly.
  2. Dynamic imbalance of tyre & assembly.
  3. Faulty suspensions & rotations such as axle beams, bearing & brake shoes.
  4. Improper wheel alignment.
  5. Underinflation and/or overload.

### Spot Wear

Excessive wear in a part of the tread.



- Causes:**
1. Sudden braking & rapid starting.
  2. Faulty suspension & faulty rotating parts such as axle beams, bearing & brake shoes.
  3. Excessive run-out of tyre & rim assembly.
  4. Dynamic imbalance of tyre & assembly.

### One-Sided Wear

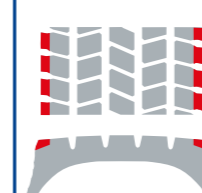
The shoulder wearing faster than the centre of the tread.



- Causes:**
1. Toe-in or camber of steer axle influence.
  2. Repeated sharp turns at a high speed when cornering.
  3. Road inclination.

### Step Wear

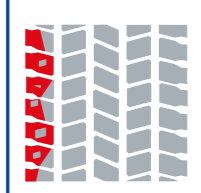
The outer portion of the shoulder rib wears faster than the inner portion.



- Causes:**
1. Toe-in or camber of steer axle influence.
  2. Frequent sharp turns in corner, rapid changing of lanes at high-speed.
  3. Improper air pressure, wheel alignment or mismatch of tyres and rims.
  4. Road inclination.

### Island Wear

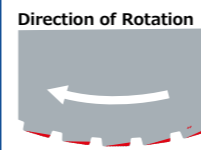
Some parts of tread wearing less than the other parts, forming islands or coastlines.



- Causes:**
1. Repeated sharp turns in cornering and frequent, rapid changing of lanes at high-speed.
  2. Improper wheel alignment.
  3. Faulty suspensions and faulty rotating parts such as axle beams, bearings and brake shoes.

### Heel & Toe Wear

One side of blocks and/or lugs on the tread wears faster than other side circumferentially.



- Causes:**
1. Under-inflation and/or overload.
  2. Sudden braking or rapid acceleration.

### Shoulder Wear

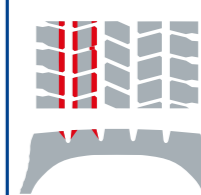
Both shoulders wearing faster than the centre of the tread.



- Causes:**
1. Under-inflation and/or overload.
  2. Repeated sharp turns at high-speed when cornering.
  3. Mismatch of tyres and rims.

### River Wear

Edges of the ribs except the outer edge of the shoulder ribs wearing faster than the tread surface, like riverbeds.



- Causes:**
1. Underinflation and/or overload.
  2. Repeated sharp turns in cornering and frequent, rapid changing of lanes at high speed.
- River wear tends to be created on steering or trailer axles.

### Rib-punching

One or two ribs in the center of the tread wearing faster than the other ribs.



- Causes:**
1. Faulty suspension or rotation of bearing and axle beams.
  2. Under-inflation.
  3. Improper wheel alignment.
  4. Difference between outside diameter or air pressure of dual tyres.

### Feather Edge Wear

The blocks or the ribs tread wearing in a feather edge pattern.



- Causes:**
1. Improper wheel alignment (especially faulty toe-in).
  2. Bent axle beam.
  3. Under-inflation.
  4. Repeated sharp turns at high speed when cornering.
  5. Road inclination.

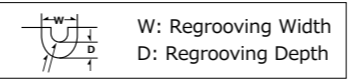
### Diagonal Wear

One or several parts of the tread wearing diagonally faster than the other parts of the tread surface.



- Causes:**
1. Faulty suspensions, faulty rotating parts and/or brake parts such as axle beams, bearings and brake shoes.
  2. Improper wheel alignment.

# Regrooving Procedures



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

## Long Distance Transport

### 107ZL

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### RY237

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### TY517(E)<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11R22.5	3.0 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

### RY253

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### RY357

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### RY537

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### MY248

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11.00R20	2.5 mm	7.0 mm

## Short Distance, Urban, Local Multistop Transport/Light Truck

## Regional Distance Transport

### 112R

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### 104ZR

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### RY023 (RY023T)

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
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
11R22.5	2.5 mm	7.0 mm
12R22.5	2.5 mm	7.0 mm
295/80R22.5	2.5 mm	7.0 mm
315/80R22.5	2.5 mm	7.0 mm

### TY303<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
265/70R19.5	2.5 mm	7.0 mm
285/70R19.5	2.5 mm	7.0 mm

### TY607<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### Y785R

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
10.00R20	3.0 mm	7.0 mm
8.25R20	2.5 mm	7.0 mm

### Y793R

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

## On/Off Road Short Distance Transport

### MY507<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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

### MY547<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
265/70R19.5	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
255/70R22.5	3.0 mm	7.0 mm
275/70R22.5	2.5 mm	7.0 mm

### Y773

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
10.00R20	3.0 mm	7.0 mm
11.00R20	3.0 mm	7.0 mm
12.00R20	3.0 mm	7.0 mm
12.00R24	3.0 mm	7.0 mm

### LY717<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
9.00R20	3.5 mm	7.0 mm

### LY053

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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	2.5 mm	7.0 mm
13R22.5	3.0 mm	7.0 mm
295/80R22.5	3.0 mm	7.0 mm
315/80R22.5	3.0 mm	7.0 mm

### LY053

Pattern when new, Pattern when 70% worn, Pattern after regrooved

TYRE SIZE	DIMENSION OF REGROOVE	
	DEPTH (D)	WIDTH (W)
11.00R20	3.0 mm	7.0 mm
11R22.5	3.0 mm	7.0 mm
12R22.5	2.5 mm	7.0 mm

### MY507A<sub>M+S</sub>

Pattern when new, Pattern when 70% worn, Pattern after regrooved

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
445/65R22.5	3.0 mm	7.0 mm

# LOAD AND INFLATION PRESSURE TABLE

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

Inch	Size	LI	Single Dual	kPa / bar / psi															
				500	550	600	625	650	675	700	725	750	775	800	825	850	875	900	
				5.00	5.50	6.00	6.25	6.50	6.75	7.00	7.25	7.50	7.75	8.00	8.25	8.50	8.75	9.00	
17.5	205/75R17.5	124/122	S			2,675		2,855		3,030		3,200							
			D			5,020		5,350		5,680		6,000							
	215/75R17.5	135/133	S					3,520		3,735		3,945		4,155		4,360			
			D					6,650		7,055		7,455		7,850		8,240			
	235/75R17.5	143/141	S	2,600		3,005				3,400								5,325	5,450
			D	4,890		5,655			6,030		6,400								10,065
	235/75R17.5	132/130	S					3,475		3,685			4,820		5,075				
			D					6,600		7,005			9,105		9,585				
19.5	245/70R19.5	141/140	S					4,155		4,410		4,660		4,905			5,150		
			D					8,070		8,560		9,045		9,525		10,000			
	245/70R19.5	136/134	S					3,700		3,930		4,150		4,370		4,480			
			D					7,010		7,435		7,855		8,275		8,480			
	265/70R19.5	143/141	S					4,395		4,665		4,930		5,190			5,450		
			D					8,310		8,820		9,320		9,810		10,300			
	265/70R19.5	140/138	S			4,075		4,345		4,610		4,870		5,000					
			D			7,690		8,200		8,700		9,195		9,440					
	285/70R19.5	150/148	S						5,480		5,790		6,100				6,400		6,700
			D						10,305		10,890		11,465				12,035		12,600
	285/70R19.5	146/144	S					4,625		4,905		5,185		5,460		5,730		6,000	
			D					8,635		9,160		9,680		10,195		10,700		11,200	
20	8.25R20	136/134	S					3,700		3,930		4,150		4,370		4,480			
			D					7,010		7,435		7,855		8,275		8,480			
	9.00R20	141/138	S					4,360		4,630		4,890		5,150					
			D					7,995		8,485		8,965		9,440					
	10.00 R 20	148/145	S					4,960		5,260		5,560		5,855		6,000			
			D					9,585		10,170		10,750		11,320		11,600			
	10.00 R 20	146/144	S					4,960		5,260		5,560		5,855		6,000			
			D					9,255		9,820		10,380		10,930		11,200			
	11.00 R 20	150/146	S					5,535		5,875		6,210		6,535		6,700			
			D					9,915		10,520		11,120		11,710		12,000			
	12.00 R 20	154/150	S						6,420		6,785		7,145				7,500		
			D						11,470		12,125		12,765				13,400		
22.5	9R22.5	136/134	S					3,700		3,930		4,150		4,370		4,480			
			D					7,010		7,435		7,855		8,275		8,480			
	10R22.5	144/142	S					4,795		5,075		5,355		5,635		5,915		6,200	
			D					9,585		10,170		10,750		11,320		11,600			
	11R22.5	148/145*	S					5,395		5,700		6,000		6,300		6,600			
			D					9,930		10,495		11,055		11,600		12,150			
	12R22.5	152/148	S				5,730		6,080		6,425		6,765		7,100				
			D				10,165		10,785		11,400		12,005		12,600				
	13R22.5	154/150*	S						6,420		6,785		7,145		7,500				
			D					11,470		12,125		12,765		13,400					
	255/70R22.5	140/137	S				4,130		4,385		4,635		4,880		5,000				
			D				7,600		8,065		8,525		8,975		9,200				
	275/70R22.5	148/145*	S								5,445		5,735		6,020			6,300	
			D								10,025		10,555		11,080		11,600		
	295/80R22.5	152/148*	S				5,730		6,080		6,425		6,765		7,100				
			D				10,165		10,785		11,400		12,005		12,600				
	305/70R22.5	152/148*	S								6,135		6,460		6,785			7,100	
			D								10,890		11,465		12,035		12,600		
	315/70R22.5	156/150*	S								6,915		7,280		7,640			8,000	
			D								11,580		12,195		12,800		13,400		
	315/70R22.5	154/150*	S								6,480		6,825		7,165			7,500	
			D								11,580		12,195		12,800		13,400		
	315/80R22.5	156/150*	S						6,850		7,240		7,620		8,000				
			D						11,470		12,125		12,765		13,400				
	315/80R22.5	154/150*	S				6,200		6,575		6,950		7,320		7,500				
			D				11,075		11,750		12,415		13,075		13,400				
	385/55R22.5	160*	S								7,780		8,190		8,600			9,000	
	385/65R22.5	160*	S								7,780		8,190		8,600			9,000	
425/65R22.5	165	S					8,510		9,030		9,545		10,050		10,300				
445/65R22.5	169	S								10,025		10,555		11,080			11,600		
		D								19,590		20,135		20,670		21,200			
24	12.00R24	156/153	S					6,950		7,375		7,795		8,000					
			D					12,685		13,460		14,220		14,600					

NOTE: Regarding " \* " marked sizes tyre, YOKOHAMA may give you "additional service" for some patterns. For details, please contact your YOKOHAMA distributor.