



# YOKOHAMA

NORDIC WINTER TYRE CATALOGUE 2020/2021

▶ PCR / SUV / LIGHT COMMERCIAL VEHICLES



# This is YOKOHAMA

## The Global Tyre Brand since 1917

The YOKOHAMA Rubber Group is composed of the YOKOHAMA Rubber Co., Ltd. and 135 subsidiaries, and 50 affiliates around the world.

### Original Equipment

YOKOHAMA tyres have been adopted worldwide by car manufacturers with a global reputation and in a wide range of vehicle categories, being the Tyre supplier for premium cars.



### Winning in Red and Black

Under the colours red and black, YOKOHAMA's range of ADVAN Tyres can supply the tyres for World Championships and International top level Motorsport competitions.



### The BluEarth Concept

BluEarth, the product engineering philosophy for Environmental, Human and Socially Friendly Tyres from YOKOHAMA. Delivering full driving pleasure while reducing the global environmental impact at the same time.



Environmentally friendly,  
Human friendly,  
Socially friendly



### Truly Global & Environmental

Taking care of our planet is part of the overall YOKOHAMA philosophy which resulted in a top "A" grading in the well known CDP 2019 climate list for responsible acting companies.



**YOKOHAMA**  
**TYRES**

OFFICIAL PARTNER

### Chelsea Football Club

YOKOHAMA Tyres as a Japanese premium tyre manufacturer is an Official Club partner of Chelsea FC – Legendary and successful English football club. Aiming high and striving together for success.

## YOKOHAMA Nordic Friction Tyres

New



IG53

**iceGUARD**  
Studless **iG53**

**For Passenger Cars**  
- Series: 45% - 65%  
- Inches: 18 - 15  
- Speed symbol: H/T

P4



IG60

IG60A

**iceGUARD**  
Studless **iG60**

**For Passenger Cars**  
- Series: 35% - 80%  
- Inches: 20 - 13  
- Speed symbol: Q

P5



G075

**iceGUARD**  
Studless **G075**

**For SUVs and 4x4s**  
- Series: 35% - 80%  
- Inches: 22 - 15  
- Speed symbol: H/Q

P6

## YOKOHAMA Stud Tyres



IG65

**iceGUARD**  
Stud **iG65**

**For Passenger Cars and SUVs**  
- Series: 35% - 65%  
- Inches: 22 - 14  
- Speed symbol: T

P7



IG55

**iceGUARD**  
Stud **iG55**

**For Passenger Cars and SUVs**  
- Series: 30% - 75%  
- Inches: 21 - 13  
- Speed symbol: T

P7

## YOKOHAMA High Performance Winter Tyres



V905

**BluEarth\*WINTER**  
**V905**

**For Passenger Cars and SUVs**  
- Series: 30% - 80%  
- Inches: 22 - 15  
- Speed symbol: W/V/H/T

P8



V903

**W\*drive**

**For Passenger Cars**  
- Series: 45% - 80%  
- Inches: 16 - 13  
- Speed symbol: H/T

P9



WY01

**WY01**

**For Light Commercial Vehicles**  
- Series: 60% - 75%  
- Inches: 17 - 14  
- Speed symbol: T/R/Q

P10

### Content Summary

EU Tyre Label .....	P11
Available Sizes .....	P12 - P17
Technical Information .....	P18
For Your Comfort & Safety .....	P18

Please note: The availability of tyres varies from country to country. Please contact your local distributor for details. All technical information contained in these pages may be subject to change.

The speed symbol varies depending on size. See product page and available sizes for further information.

# High-Speed Nordic Friction Tyre

Passenger Car Tyres

**iceGUARD**

**New**



IG53

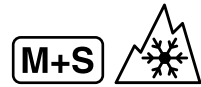
**iceGUARD**  
Studless *iG53*



Ice



Snow



Noise Reduction Properties



Fuel Saving Properties



Mileage



Directional



Maximum speed  
210 km/h in case of H speed symbol  
190 km/h in case of T speed symbol  
(Speed symbol varies depending on size)

EU Label Grade	
Fuel Efficiency Class	C-E
Wet Grip Class	F
External Rolling Noise Class and Measured Value (dB)	2 69-72
Series: 45% - 65%	Inches: 18-15

Some sizes are waiting for final labelling results.  
See page 12-14 for detailed information.



Available sizes on pages 12-14

## Application: Passenger Cars

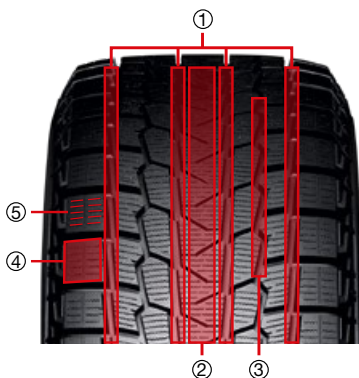
### Benefits

- Ice and Snow Traction
- Reduced Rolling Noise
- Fuel Saving Properties
- Resistance to wear

### Features

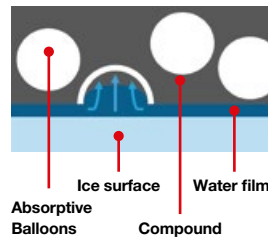
- New Directional Tread Design
- Absorptive Compound
- 3-D Triple Sipes
- Low-Heat-Generating Under Tread

### Directional Tread Pattern



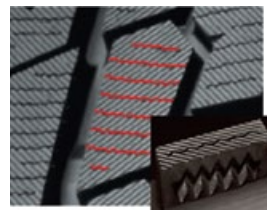
- ① **Zig-Zag Shaped Main Grooves**  
Edge effect (ice performance)
- ② **Wide Centre Rib**  
Increases contact area (ice performance, stability on dry surface)
- ③ **Zig-Zag Shaped additional Grooves**  
Edge effect (ice performance, snow performance)
- ④ **Micro Diagonal Grooves**  
Edge effect (ice performance)
- ⑤ **3-D Triple Sipes**  
Increases the contact area (ice & snow performance)

### Absorptive Tread Compound



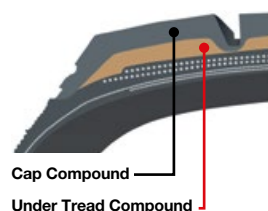
The layer of water above the ice is the biggest contributor to loss of traction. It causes "micro hydroplaning" on icy surfaces. YOKOHAMA's original compound Technology incorporates water-absorbing compounds, enhancing the tyre contact with the ice.

### 3-D Triple Sipes



The surfaces of 3-D sipes avoid uneven deflection of blocks by supporting each other. It delivers impressive ice and snow performance with its maximised actual contact area.

### Low-Heat Generating Under Tread



Tread compound consist of two layers of rubber, "Cap Compound" and "Under Tread Compound". The newly developed low-heat generating under tread compound increases stiffness and contributes to lowering rolling resistance.

# Efficient Ice Braking Performance. Fast stopping reaction.

## iceGUARD Studless iG60



IG60

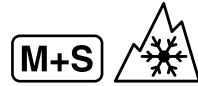
IG60A



Ice



Snow



Dry



Fuel Saving Properties



Mileage



Asymmetric



Maximum speed  
160 km/h in case of Q speed symbol  
(Speed symbol varies depending on size)

### EU Label Grade

Fuel Efficiency Class	C-F
Wet Grip Class	E-F
External Rolling Noise Class and Measured Value (dB)	2 70-73
Series: 35% - 80%	Inches: 20-13

See page 12-14 for detailed information.



Available sizes on pages 12-14

### Application: Passenger Cars

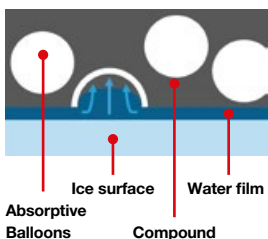
#### Benefits

- Strong ice grip
- Long-life grip
- Fuel saving properties

#### Features

- Absorptive Tread Compound
- An Asymmetric Tread Design
- Quattro 3-D Dimple Sipes
- Double Micro Grooves
- Low-Heat-Generating Under Tread

#### Absorptive Tread Compound



The layer of water above the ice is the biggest contributor to loss of traction. It causes "micro hydroplaning" on icy surfaces. YOKOHAMA's original compound Technology incorporates water-absorbing compounds, enhancing the tyre contact with the ice.

#### Tread Pattern Design

Improved ICE friction and edge effect

Improved SNOW evacuation

Inside

Outside

ICE

SNOW

Power Contact Rib

Lightning Groove

ICE and WET

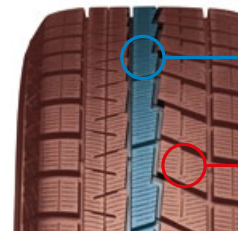
WET

Triangle Spot

SNOW

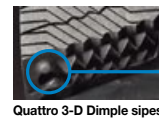


#### Sipe arrangements



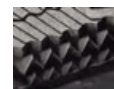
Quattro 3-D Dimple sipes

Quattro 3-D sipes



Dimple

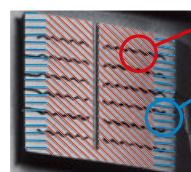
Quattro 3-D Dimple sipes



Quattro 3-D sipes

#### Micro Groove Design "Double Micro Grooves"

"Double Micro Grooves" deliver ice performance even without a break-in-period.



Diagonal Micro Groove

Improved water drainage and lateral edge

Lateral Micro Groove

Improved lengthwise edge



IG50

# Performance on ice for SUVs

SUV and 4x4 Tyres

**iceGUARD**



G075

Available sizes on pages 12–14

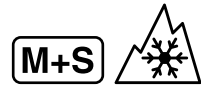
## iceGUARD Studless G075



Ice



Snow



Durability



Fuel Saving Properties



Directional



Maximum speed  
210 km/h in case of H speed symbol  
160 km/h in case of Q speed symbol  
(Speed symbol varies depending on size)

EU Label Grade	
Fuel Efficiency Class	E–F
Wet Grip Class	C–F
External Rolling Noise Class	1–2
and Measured Value (dB)	71–74
Series: 35%–80%	Inches: 22–15

See page 12–14 for detailed information.

### Application: Modern and good looking SUVs

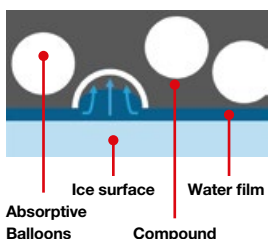
#### Benefits

- Strong ice grip
- Long-life grip
- Fuel saving properties

#### Features

- Absorptive Tread Compound
- Triple 3-D dimple Sipes
- Low-heat-generating tread compound

### Absorptive Tread Compound



The layer of water above the ice is the biggest contributor to loss of traction. It causes “micro hydroplaning” on icy surfaces. YOKOHAMA’s original compound Technology incorporates water-absorbing compounds, enhancing the tyre contact with the ice.

### Tread Pattern Design

The tread pattern increases the contact area and maximises the edge effect on the ice surface.



- ① **Zig-Zag Shape Main Grooves**  
Edge effect (ice performance)
- ② **Wide Centre Rib**  
Increases contact area (ice performance, stability on dry surface)
- ③ **Zig-Zag Shape additional Grooves**  
Edge effect (ice performance, snow performance)
- ④ **Micro Diagonal Sipes**  
Edge effect (ice performance)
- ⑤ **3-D Triple Sipes**  
Increases contact area (ice & snow performance)



GEOLANDAR i/T-S G073

See page 12–13 for detailed information.

# Premium Studded Tyre with Strong Winter Grip



IG65

Available sizes on pages 12 – 14

## iceGUARD Stud iG65



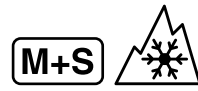
Ice



Snow



Stud holding



M+S



Wet



Directional



Maximum speed 190 km/h in case of T speed symbol (Speed symbol varies depending on size)

**Application:** Performance cars, SUVs and middle sized cars

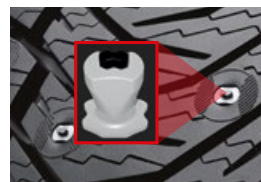
### Benefits

- Strong ice performance
- Total balance in winter conditions
- Good stud retention

### Features

- Original stud model
- Optimum stud number and hole allocation
- Aggressive and directional tread pattern and fixed rotating direction

### Original stud model



- Wide polygon tip (ice performance)
- Broad Axle Body (ice performance)
- Multiple projected flange (retention performance)

### IG65 directional tread design



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.

# Strong Ice Performance & good Stud Retention



IG55

Available sizes on pages 12 – 14

## iceGUARD Stud iG55



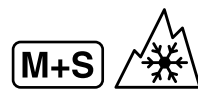
Ice



Snow



Stud holding



M+S



Wet



Directional



Maximum speed 190 km/h in case of T speed symbol (Speed symbol varies depending on size)

**Application:** Performance cars, SUVs, Middle & Compact cars

### Benefits

- Strong ice performance
- Good stud retention
- The pursuit of snow, wet and dry performance

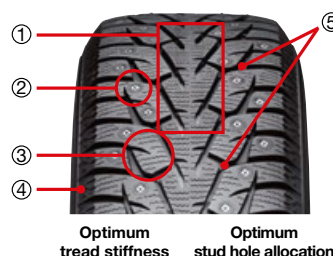
### Features

- Star-shaped stud chip & flange design
- Water absorptive compound
- Wide spread centre rib & wide slanting grooves
- Aggressive tread & unique shoulder design

### Water absorptive compound

The original water absorbing compound technology same as in the iceGUARD studless tyre, improves the ice performance.

### IG55 directional tread design



- ① Wide spread centre rib & Micro diagonal grooves
- ② Windmill shaped projection
- ③ 3-D-shaped sipes
- ④ Digging shaped shoulder
- ⑤ Wide slanting grooves

# Confidence for all winter conditions

Passenger Car and SUV Tyres

**BluEarth**



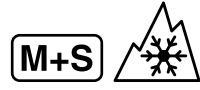
## **BluEarth\*WINTER V905**



Snow



Wet



High Speed



Fuel Saving Properties



Directional



V905



**Maximum speed**  
 270 km/h in case of W speed symbol  
 240 km/h in case of V speed symbol  
 210 km/h in case of H speed symbol  
 190 km/h in case of T speed symbol  
 (Speed symbol varies depending on size)

EU Label Grade	
Fuel Efficiency Class	C-E
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	2 71-74
Series: 30% - 80%	Inches: 22-15

Some sizes are waiting for final labelling results.  
 See page 16-17 for detailed information.

Available sizes on pages 16-17

**Application:** Performance cars, SUVs, middle sized cars

**Benefits**

- Evolutional snow traction
- Drainage performance on snow & wet
- Fuel saving properties
- Sure driving feeling on high-speed cruising

**Features**

- Wide slanting grooves and variable angle of lateral grooves
- Low-heat-generating under tread

**Zig-Zag Straight Grooves and variable angle of Lateral Grooves**



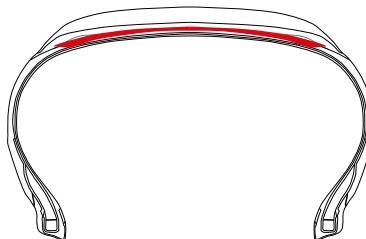
Improved lateral stabilities such as turning and anti-sliding on snow & ice.

**Wide Slanting Grooves**



Avoids hydroplaning on slushy or wet surfaces with see-through arrangement.

**Under Tread Compound**



Low-heat-generating under tread, reduces energy-loss by sustaining rigidity.

**W\*drive**



V902A V902B  
 See page 16-17 for detailed information.



Winter is inspiration. Drive your emotion.



V903

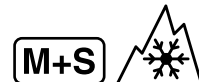
**W\*drive**



Snow



Wet



Fuel Saving Properties



Directional



Maximum speed  
210 km/h in case of H speed symbol  
190 km/h in case of T speed symbol  
(Speed symbol varies depending on size)

EU Label Grade	
Fuel Efficiency Class	F
Wet Grip Class	C
External Rolling Noise Class and Measured Value (dB)	2 70-72
Series: 45% - 80%	Inches: 16 - 13

See page 15 for detailed information.

Available sizes on page 15

For Small Cars

**W\*drive**

**Application:** Small and compact cars

**Benefits**

- Direct feeling of control on snow and wet surfaces
- Superior stability on high-speed cruising
- Fuel saving properties

**Features**

- Original Multi-Layer Sipes
- 3-D shaped block wall with groove in groove design
- Zig-Zag shaped main straight grooves

**Tread Pattern Design**



The pattern design delivers clear-cut performance.

**Directional Tread Design**

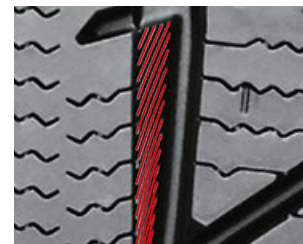
- ① The directional tread pattern provides a “direct-feel” and traction on snowy and slushy road surfaces and drainage on wet road surfaces.

**Original Multi-Layer Sipes**

- ② YOKOHAMA’s original multi-layer sipes maximise the edge effect on snowy and icy road surfaces, keeping blocks stable despite the soft compound.

**3-D Shaped Block Wall with Groove in Groove Design**

- ③ The centralized rib-block with a 3-D shaped block wall delivers dry stability by supporting the contact surface. Micro-sized grooves on the 3-D shaped block wall control uneven wear by dispersing stress and heat.



**Zig-Zag Shaped Main Straight Grooves**

- ④ The Zig-Zag shaped main straight grooves provide traction with their grooved edge and provide high drainage to avoid hydroplaning on wet surface.

# Durability and Confidence with Winter Performance for Light Commercial Vehicles

Light Commercial Vehicle Tyres



WY01

Available sizes on page 15

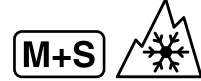
# WY01



Snow



Wet



Durability



Fuel Saving Properties



Directional

**M+S**

**max. 190 km/h**

Maximum speed  
190 km/h in case of T speed symbol  
170 km/h in case of R speed symbol  
160 km/h in case of Q speed symbol  
(Speed symbol varies depending on size)

EU Label Grade	
Fuel Efficiency Class	F
Wet Grip Class	B-C
External Rolling Noise Class and Measured Value (dB)	2 71-72
Series: 60% - 75%	Inches: 17-14

See page 15 for detailed information.

## Application: Light Commercial Vehicles

### Benefits

- Confident wet braking and wet handling
- Remarkable durability performance
- Fuel saving properties
- The optimised combination of directional tread design and compound deliver reliable performance on snow and ice

### Features

- 3 wide grooves
- Traction Blocks with micro diagonal sipes
- Rigid shoulder rib with lug

#### 3 Wide Grooves



Water evacuation provided by 3 wide grooves, even after long mileage.

#### Traction Blocks with Micro Diagonal Sipes



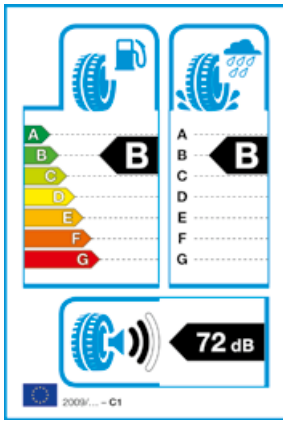
Providing "direct-feel" and "traction" on SNOW and ICE surface. Diagonal Shallow slits on the tyre tread surface provide optimum performance even in the break-in period.

#### Rigid Shoulder Rib with Lug



Moderating stiffness blocks help even wear for long mileage.

# EU Tyre Label

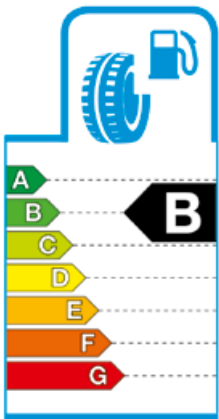


In 2012 the European Union introduced a tyre label, in order to provide standardised information on 3 specific performances; fuel efficiency, wet grip and external rolling noise.

Tyre labelling 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.

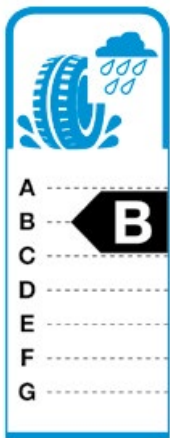
On the left you can find an example of the EU tyre label. These graphics on the label are similar as those already used for household appliances and more recently new cars.



## 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<sub>2</sub> 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.

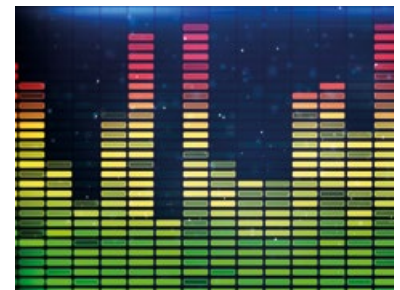
On the top right of the label, wet grip is also expressed in classes ranging from A (highest performance) to G (lowest performance).



## 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

# Available Sizes – Passenger Cars/SUVs and 4x4 Tyres

Inch	Series	Size	Approved rim width	iceGUARD Studless IG53			iceGUARD Studless IG60			iceGUARD Studless G075			iceGUARD Stud IG65			iceGUARD Stud IG55		
				IG53		C	IG60/A		C	G075		C	IG65		C	IG55		C
22	45	285/45R22	9-10.5															
	50	275/50R22	7.5-9.5															
21	35	295/35R21	10-11.5															
	40	295/40R21	10-11.5															
		315/40R21	10.5-12.5															
	45	265/45R21	8.5-10															
20	50	275/50R21	7.5-9.5															
	30	255/30R20	8.5-9.5															
	35	315/35R20	10.5-12.5															
	40	245/40R20	8-9.5															
		275/40R20	9-11															
		275/40RF20	9-11															
		295/40R20	10-11.5															
		305/40R20	10-12															
		45	245/45RF20	7.5-9														
			255/45R20	8-9.5														
19	35	245/35R19	8-9.5															
		255/35R19	8.5-10															
		265/35R19	9-10.5															
		275/35R19	9-11															
	40	225/40R19	7.5-9															
		235/40R19	8-9.5															
		245/40R19	8-9.5															
		255/40R19	8.5-10															
		265/40R19	9-10.5															
		285/40R19	9.5-11															
	45	225/45R19	7-8.5															
		245/45R19	7.5-9															
		255/45R19	8-9.5															
	50	235/50R19	6.5-8.5															
18	35	255/35R18	8.5-10															
	40	225/40R18	7.5-9															
		235/40R18	8-9.5															
		245/40R18	8-9.5															
		255/40R18	8.5-10															
	45	215/45R18	7-8															
		225/45R18	7-8.5															
		235/45R18	7.5-9															
17	50	215/50R18	6-7.5															
		225/50R18	6-8															
		225/50RF18	6-8															
		235/50R18	6.5-8.5															
		245/50R18	7-8.5															
	55	215/55R18	6-7.5															
		225/55R18	6-8															
		235/55R18	6.5-8.5															
		255/55R18	7-9															





# Available Sizes – Passenger Cars/Light Commercial Vehicle Tyres

Available Sizes

Inch	Series	Size	Approved rim width	W*drive				WY01						
				W-drive V903			C	WY01			C			
17	60	235/60R17C	6.5-7.5					117/115R	F	B	2	72	C2	
16	45	195/45R16	6-7.5	84H XL	F	C	2	71	C1					
		60	175/60R16	5-6	82H	F	C	2	70	C1				
		185/60R16	5-6.5	86H	F	C	2	72	C1					
		215/60R16C	6-7											
	65		195/65R16C	5.5-6					103/101T	F	B	2	71	C2
			205/65R16C	5.5-6.5					104/102T	F	B	2	72	C2
			215/65R16C	6-7					107/105T	F	B	2	72	C2
			215/65R16C	6-7					109/107T	F	B	2	72	C2
			225/65R16C	6-7					112/110R	F	B	2	72	C2
			235/65R16C	6.5-7.5					121/119R	F	B	2	72	C2
	75		185/75R16C	5-6					115/113R	F	B	2	72	C2
			185/75R16C	5-6					104/102R	F	B	2	72	C2
		195/75R16C	5-6					110/108T	F	B	2	72	C2	
		205/75R16C	5.5-6.5					107/105R	F	B	2	72	C2	
		205/75R16C	5.5-6.5					110/108R	F	B	2	72	C2	
		215/75R16C	5.5-7					116/114R	F	B	2	72	C2	
15	55	175/55R15	5-6	77T	F	C	2	70	C1					
		60	155/60R15	4.5-5.5	74T	F	C	2	70	C1				
		60	165/60R15	4.5-6	77T	F	C	2	70	C1				
	65		175/60R15	5-6	81T	F	C	2	70	C1				
			165/65R15	4.5-6	81T	F	C	2	70	C1				
			175/65R15	5-6	84T	F	C	2	70	C1				
	70		185/65R15	5-6.5	92T XL	F	C	2	70	C1				
			185/65R15	5-6.5	88T	F	C	2	70	C1				
			205/65R15C	5.5-6.5					102/100T	F	B	2	72	C2
			215/65R15C	6-7					104/102T	F	B	2	72	C2
			195/70R15C	5-6					104/102R	F	B	2	72	C2
			205/70R15C	5.5-6.5					106/104R	F	B	2	72	C2
14	55	175/55R14	5-6.5	80T	F	C	2	71	C1					
		60	165/60R14	4.5-6	79T XL	F	C	2	70	C1				
		60	175/60R14	5-6	79T	F	C	2	70	C1				
	65		185/60R14	5-6.5	82T	F	C	2	70	C1				
			155/65R14	4.5-5.5	75T	F	C	2	70	C1				
			165/65R14	4.5-6	79T	F	C	2	70	C1				
	70		175/65R14	5-6	86T XL	F	C	2	70	C1				
			175/65R14	5-6	82T	F	C	2	70	C1				
			175/65R14C	5-5.5					90/88T	F	B	2	72	C2
			185/65R14	5-6.5	86T	F	C	2	70	C1				
			185R14C	5-6					102/100Q	F	C	2	72	C2
			195R14C	5-6					106/104Q	F	C	2	72	C2
13	65	205R14C	5.5-6.5					109/107Q	F	C	2	72	C2	
		215R14C	5.5-7					112/110Q	F	C	2	72	C2	
		70	165/70R14	4-5.5	81T	F	C	2	70	C1				
	70		175/70R14	4.5-6	88T XL	F	C	2	70	C1				
			175/70R14	4.5-6	84T	F	C	2	70	C1				
			185/70R14	4.5-6	88T	F	C	2	70	C1				
	80		155/80R13	4-5	73T	F	C	2	70	C1				
			165/80R13	4.5-6	77T	F	C	2	70	C1				
			175/80R13	5-6	80T	F	C	2	70	C1				
	80		155/70R13	4-5	75T	F	C	2	70	C1				
			165/70R13	4-5.5	83T XL	F	C	2	70	C1				
			175/70R13	4.5-6	82T	F	C	2	70	C1				
80	155/80R13	4-5	79T	F	C	2	70	C1						

Approved rim width and overall diameter from ETRTO standards manual or ETRTO engineering design information. All technical information contained in these pages may be subject to change.





XL = Extra Load





= Tyre labelling see page 11

C = Category. C1: Passenger car tyres,  
C2: Light commercial vehicle tyres,  
C3: Heavy commercial vehicle tyres

# BluEarth<sup>™</sup> WINTER V905

## Available Sizes – BluEarth Passenger Cars/SUVs

Inch	Series	Size	Approved rim width	BluEarth					
				BluEarth-WINTER V905					C
22	<b>30</b>	295/30R22	10-11	103V XL	E	C	2	74	C1
21	<b>30</b>	325/30R21	11-12	108V XL	E	C	2	74	C1
		<b>35</b>	285/35R21	9.5-11	105V XL	E	C	2	74
		295/35R21	10-11.5	107V XL	C	C	2	74	C1
		315/35R21	10.5-12.5	111W XL	C	C	2	74	C1
	<b>40</b>	245/40R21	8-9.5	100V XL	C	C	2	71	C1
		265/40R21	9-10.5	105V XL	C	C	2	73	C1
		275/40R21	9-11	107W XL	C	C	2	72	C1
		295/40R21	10-11.5	111V XL	C	C	2	74	C1
		315/40R21	10.5-12.5	115V XL	C	C	2	74	C1
	<b>45</b>	275/45R21	8.5-10.5	110V XL	C	C	2	73	C1
		<b>30</b>	285/30R20	9.5-10.5	99W XL	E	C	2	74
20	<b>35</b>	265/35R20	9-10.5	99V XL	E	C	2	71	C1
		315/35R20	10.5-12.5	110V XL	E	C	2	74	C1
	<b>40</b>	245/40R20	8-9.5	99V XL	C	C	2	71	C1
		265/40R20	9-10.5	104V XL	C	C	2	73	C1
		275/40R20	9-11	106V XL	E	C	2	73	C1
		295/40R20	10-11.5	110V XL	C	C	2	74	C1
	<b>45</b>	245/45R20	7.5-9	103V XL	C	C	2	72	C1
		255/45R20	8-9.5	105V XL	C	C	2	73	C1
		275/45R20	8.5-10.5	110V XL	C	C	2	73	C1
	<b>50</b>	255/50R20	7-9	109V XL	C	C	2	73	C1
		265/50R20	7.5-9.5	111V XL	C	C	2	73	C1
19	<b>55</b>	235/55R20	6.5-8.5	102V	C	C	2	72	C1
	<b>35</b>	225/35R19	7.5-9	● 88W XL	o	o	o	o	C1
		235/35R19	8-9.5	91W XL	E	C	2	71	C1
		255/35R19	8.5-10	96W XL	E	C	2	71	C1
		265/35R19	9-10.5	98W XL	E	C	2	71	C1
		285/35R19	9.5-11	103W XL	C	C	2	74	C1
	<b>40</b>	225/40R19	7.5-9	93W XL	E	C	2	72	C1
		245/40R19	8-9.5	98V XL	C	C	2	72	C1
		255/40R19	8.5-10	100V XL	C	C	2	73	C1
		265/40R19	9-10.5	102W XL	C	C	2	73	C1
		275/40R19	9-11	105W XL	C	C	2	73	C1
		285/40R19	9.5-11	107W XL	C	C	2	74	C1
		<b>45</b>	225/45R19	7-8.5	96V XL	E	C	2	72
235/45R19			7.5-9	99V XL	C	C	2	72	C1
245/45R19	7.5-9		102W XL	C	C	2	72	C1	
255/45R19	8-9.5		104V XL	C	C	2	73	C1	
275/45R19	8.5-10.5		108V XL	C	C	2	73	C1	
<b>50</b>	285/45R19	9-10.5	111V XL	C	C	2	74	C1	
	235/50R19	6.5-8.5	● 103V XL	o	o	o	o	C1	
	245/50RF19	7-8.5	105V XL	E	C	2	71	C1	
	255/50R19	7-9	107V XL	C	C	2	73	C1	
	265/50R19	7.5-9.5	110V XL	C	C	2	73	C1	
<b>55</b>	225/55R19	6-8	99V	C	C	2	72	C1	
	235/55R19	6.5-8.5	105V XL	C	C	2	72	C1	
			101V	C	C	2	72	C1	
			111V XL	C	C	2	73	C1	
<b>18</b>	<b>35</b>	265/35R18	9-10.5	97V XL	E	C	2	71	C1

Inch	Series	Size	Approved rim width	BluEarth						
				BluEarth-WINTER V905					C	
18	<b>40</b>	215/40R18	7-8.5	89V XL	E	C	2	72	C1	
		225/40R18	7.5-9	92W XL	E	C	2	72	C1	
		235/40R18	8-9.5	95W XL	E	C	2	72	C1	
		245/40R18	8-9.5	97W XL	C	C	2	72	C1	
		245/40RF18	8-9.5	** 93V ZPS	F	C	2	72	C1	
		255/40R18	8.5-10	99V XL	C	C	2	73	C1	
		265/40R18	9-10.5	101W XL	C	C	2	73	C1	
		<b>45</b>	215/45R18	7-8	93V XL	E	C	2	72	C1
	225/45R18		7-8.5	95V XL	E	C	2	72	C1	
	235/45R18		7.5-9	98V XL	E	C	2	72	C1	
	245/45R18		7.5-9	100V XL	C	C	2	72	C1	
	<b>50</b>	255/45R18	8-9.5	103V XL	C	C	2	73	C1	
		<b>50</b>	215/50R18	6-7.5	● 92V	o	o	o	o	C1
			225/50R18	6-8	95V	C	C	2	72	C1
	235/50R18	6.5-8.5	101V XL	C	C	2	72	C1		
		245/50R18	7-8.5	104V XL	C	C	2	72	C1	
<b>55</b>	215/55R18	6-7.5	99V XL	C	C	2	72	C1		
		95V	C	C	2	72	C1			
		98V	E	C	2	72	C1			
	235/55R18	6.5-8.5	100V	C	C	2	72	C1		
	255/55R18	7-9	109V XL	C	C	2	73	C1		
	<b>60</b>	225/60R18	6-8	104V XL	C	C	2	72	C1	
			100H	C	C	2	72	C1		
			99V XL	C	C	2	72	C1		
235/60R18	6.5-8.5	107H XL	C	C	2	72	C1			
255/60R18	7-9	112H XL	C	C	2	73	C1			
265/60R18	7.5-9.5	110H	C	C	2	73	C1			
285/60R18	8-10	116H	C	C	2	74	C1			
17	<b>40</b>	215/40R17	7-8.5	● 87V XL	o	o	o	o	C1	
	<b>45</b>	205/45R17	6.5-7.5	88V XL	E	C	2	72	C1	
		215/45R17	7-8	91V XL	E	C	2	72	C1	
	225/45R17	7-8.5	94V XL	E	C	2	72	C1		
			94H XL	E	C	2	72	C1		
	<b>50</b>	225/45RF17	7-8.5	* 91H ZPS	F	C	2	72	C1	
				97V XL	C	C	2	72	C1	
				94H	E	C	2	72	C1	
				99V XL	E	C	2	72	C1	
		235/45R17	7.5-9	93V XL	E	C	2	72	C1	
				93H XL	C	C	2	72	C1	
				95V XL	E	C	2	72	C1	
98V XL				C	C	2	72	C1		
245/45R17	7.5-9	94H	C	C	2	72	C1			
		94H ZPS	F	C	2	72	C1			
<b>50</b>	205/50R17	5.5-7.5	98V XL	C	C	2	72	C1		
			98H XL	C	C	2	72	C1		
	215/50R17	6-7.5	98H	C	C	2	72	C1		
			* 94H ZPS	F	C	2	72	C1		
<b>55</b>	215/55R17	6-7.5	98V XL	C	C	2	72	C1		
			101V XL	C	C	2	72	C1		
	225/55R17	6-8	97H	C	C	2	72	C1		
			103V XL	C	C	2	72	C1		
245/55R17	7-8.5	102V	C	C	2	72	C1			





Inch	Series	Size	Approved rim width	BluEarth						
				BluEarth-WINTER V905				C		
17	60	215/60R17	6-7.5	96H	E	C	2	72	C1	
		225/60R17	6-8	99H	C	C	2	72	C1	
		235/60R17	6.5-8.5	102H	C	C	2	72	C1	
		255/60R17	7-9	106H	C	C	2	73	C1	
	65	215/65R17	6-7.5	99V	C	C	2	72	C1	
			6-8	● 106H XL	o	o	o	o	C1	
		225/65R17	6-8	102H	C	C	2	72	C1	
		235/65R17	6.5-8.5	108H XL	C	C	2	72	C1	
		255/65R17	7-9	110H	C	C	2	73	C1	
		265/65R17	7.5-9.5	112T	C	C	2	73	C1	
	16	50	195/50R16	5.5-7	* 88V RF	F	C	2	72	C1
				5.5-7	88H XL	E	C	2	72	C1
			205/50R16	5.5-7.5	91H XL	E	C	2	72	C1
		55	195/55R16	5.5-7	87H	E	C	2	72	C1
				5.5-7	* 87H ZPS	F	C	2	72	C1
			205/55R16	5.5-7.5	94V XL	E	C	2	72	C1
94H XL					E	C	2	72	C1	
91H		E			C	2	72	C1		
91T		E	C	2	72	C1				
205/55RF16		5.5-7.5	* 91H ZPS	F	C	2	72	C1		
			97V XL	C	C	2	72	C1		
			97H XL	C	C	2	72	C1		
215/55R16		6-7.5	93H	C	C	2	72	C1		
			99V XL	E	C	2	72	C1		
			99H XL	C	C	2	72	C1		
			95H	E	C	2	72	C1		
60		195/60R16	5.5-7	89H	E	C	2	72	C1	
		205/60R16	5.5-7.5	96H XL	C	C	2	72	C1	
		215/60R16	6-7.5	99H XL	C	C	2	72	C1	
		225/60R16	6-8	102H XL	C	C	2	72	C1	
		235/60R16	6.5-8.5	100H	C	C	2	72	C1	
		65	215/65R16	6-7.5	98H	C	C	2	72	C1
			225/65R16	6-8	100H	C	C	2	72	C1
255/65R16			7-9	109H	C	C	2	73	C1	
70		215/70R16	5.5-7	100T	C	C	2	72	C1	
		225/70R16	6-7.5	107H XL	C	C	2	72	C1	
		235/70R16	6-8	106T	C	C	2	72	C1	
		245/70R16	6.5-8	107T	C	C	2	72	C1	
	265/70R16	7-9	112T	C	C	2	73	C1		
70	275/70R16	7-9	114T	C	C	2	73	C1		
	80	205/80R16	5-7	104T XL	C	C	2	72	C1	
		215/80R16	5.5-7	103T	C	C	2	72	C1	
235/80R16		6-8	109T	C	C	2	72	C1		
15	50	195/50R15	5.5-7	82H	E	C	2	72	C1	
		55	185/55R15	5-6.5	86H XL	E	C	2	71	C1
			195/55R15	5.5-7	85H	E	C	2	72	C1
	205/55R15	5.5-7.5	88T	E	C	2	72	C1		
	60	185/60R15	5-6.5	88T XL	E	C	2	71	C1	
			5-6.5	84T	E	C	2	71	C1	
		195/60R15	5.5-7	88T	E	C	2	72	C1	
		205/60R15	5.5-7.5	91H	E	C	2	72	C1	

Inch	Series	Size	Approved rim width	BluEarth					
				BluEarth-WINTER V905				C	
15	65	195/65R15	5.5-7	95T XL	E	C	2	71	C1
				91H	C	C	2	71	C1
				91T	C	C	2	71	C1
		205/65R15	5.5-7.5	94H	C	C	2	72	C1
		215/65R15	6-7.5	96H	C	C	2	72	C1
	70	205/70R15	5-7	96T	C	C	2	72	C1
			225/70R15	6-7.5	100T	C	C	2	72
		265/70R15	7-9	112T	C	C	2	73	C1
	80	195/80R15	5-6.5	96T	E	C	2	71	C1
		215/80R15	5.5-7	102T	C	C	2	72	C1
14	65	195/65R14	5.5-7	* 89T	F	C	2	72	C1

Approved rim width and overall diameter from ETRTO standards manual or ETRTO engineering design information. For some sizes, alternative products are available, as indicated by the specific symbol. All technical information contained in these pages may be subject to change.

- = Available soon
- = Information available soon
- XL = Extra Load
- RF = Reinforced
- ZPS = Runflat tyre specification
- \* = V902A available size
- \*\* = V902B available size

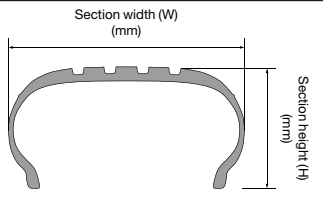
= Tyre labelling see page 11  
 C = Category, C1: Passenger car tyres,  
 C2: Light commercial vehicle tyres,  
 C3: Heavy commercial vehicle tyres

# Technical Information

## Aspect ratio

The aspect ratio is the ratio of a tyre's section height (H) to its section width (W).

$$\text{Aspect ratio (\%)} = \frac{H}{W} \times 100$$



## 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)
N	140
P	150
Q	160
R	170
S	180
T	190
H	210
V	240
W	270
Y	300
(Y)	over 300

## Load index

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

LI	kg	LI	kg	LI	kg
61	257	81	462	101	825
62	265	82	475	102	850
63	272	83	487	103	875
64	280	84	500	104	900
65	290	85	515	105	925
66	300	86	530	106	950
67	307	87	545	107	975
68	315	88	560	108	1000
69	325	89	580	109	1030
70	335	90	600	110	1060
71	345	91	615	111	1090
72	355	92	630	112	1120
73	365	93	650	113	1150
74	375	94	670	114	1180
75	387	95	690	115	1215
76	400	96	710	116	1250
77	412	97	730	117	1285
78	425	98	750	118	1320
79	437	99	775	119	1360
80	450	100	800	120	1400
				121	1450
				122	1500
				123	1550

## Reinforced (Extra Load) Indication

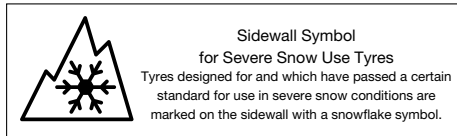
Passenger car tyres designed for loads and inflation pressures higher than the standard version.

## Tyre rotation

Tyre rotation is the regular practice of changing the position of each tyre on the car to minimise abnormal (or uneven) tread wear, which may cause:

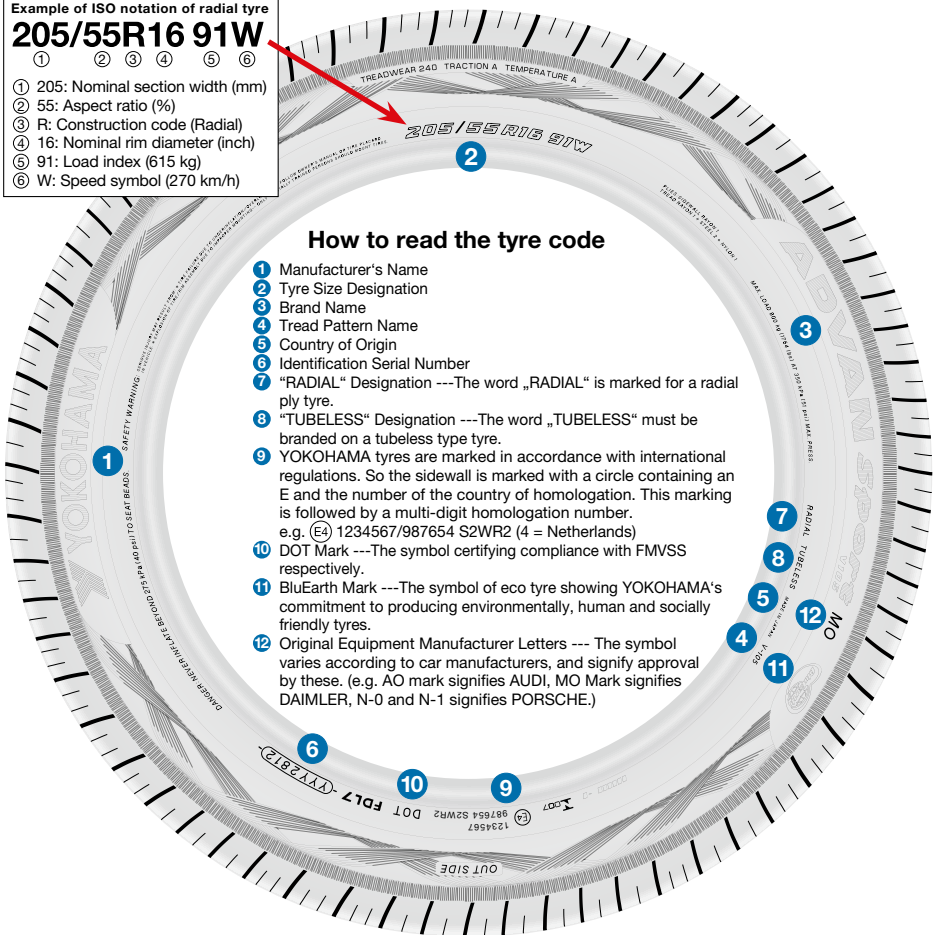
1. Abnormal vibration ("shimmy")
2. Tyre noise
3. Decreased riding comfort
4. Shorter tyre life

**Note:** We recommend that you rotate your tyres immediately if you recognise any of the above-mentioned conditions (especially on your front tyres).



**Example of ISO notation of radial tyre**  
**205/55R16 91W**

- ① 205: Nominal section width (mm)
- ② 55: Aspect ratio (%)
- ③ R: Construction code (Radial)
- ④ 16: Nominal rim diameter (inch)
- ⑤ 91: Load index (615 kg)
- ⑥ W: Speed symbol (270 km/h)



# For Your Comfort & Safety

- Never mount a tyre on a rim that is damaged or which has been repaired by welding or brazing.
- Never inflate beyond 275 kPa (2.75 bar, 40 psi) to seat beads.
- Tyre inflation should be done in a safety cage.
- Do not mix different tyre size designations or constructions on the same axle, except for limited use of temporary spare tyres.
- Outer diameter of wheel should be the same as inner diameter of tyre.
- Make sure to follow instructions in the car owner's manual or on the vehicle tyre information placard in the car to maintain proper tyre pressure (Particularly driving on a highway and/or when carrying heavy loads).
- Never bleed or reduce air pressure when tyres are hot from driving.
- Over- or under-inflation is dangerous and could lead to accidents or tyre damage.
- Check tyre inflation pressure (including spare tyre) at least once a month and before every long trip.
- Stones, gravel and other foreign objects stuck in the tyre treads may damage the tyre. Remove foreign objects from the tyre treads.
- Tyre should only be mounted by professionally trained persons.
- Objects in the road such as potholes, glass, metal, rocks, wood debris, kerbstones and such, which 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 car is unstable or feel any unusual noises or vibrations, stop your car 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.
- Winter tyres (studless, stud or snow tyres) should not be mixed with other types of tyres.
- New winter tyres should not be driven over 80 km/h for the first 100 km.
- When driving on winter roads, sudden starts and quick stops should be avoided, and a safe car-to-car driving distance should be maintained.
- When using tyre chains, be sure to use the proper size chains and affix with priority to the drive axle.
- Avoid driving with tyre chains for long distance on roads with no packed snow or ice.

**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.**

**To preserve traffic safety, YOKOHAMA recommends driving substantially slower under adverse weather or road conditions.**

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

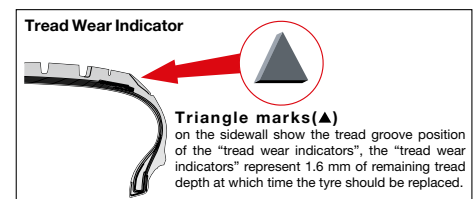
- If the tread has worn to the tread wear indicator.
- If breaks in the fabric appear.
- If cords or wires are exposed.

## Storage of steel belted radial tyres:

- Keep your tyres away from direct sunlight and locations with high temperature, high moisture, heavy electrical machinery, welders etc.
- Tyres should be preferably stored in a cool, dry, and dark room with a controlled environment.

## Important notice for use of Runflat tyre (ZPS)

- A vehicle must be equipped with a tyre pressure monitoring system.
- After a low pressure warning has been indicated:
  - do not exceed 80 km/h (50 mph).
  - do not travel more than 80 km (50 miles).
  - do not re-inflate after run flat operation and do not repair.



Construction and specifications are subject to change with or without notice.



# Original Equipment

## The tyre supplier for premium car manufacturers

YOKOHAMA summer tyres have been adopted worldwide as original equipment in the automotive industry in a wide range of vehicle categories, including high-quality Flagship cars; ultra-high-performance sports cars with a stellar global reputation as Porsche, BMW M and Mercedes-AMG; Premium SUVs by Porsche, BMW and Mercedes-Benz; luxury sedans by Mercedes-Benz and Audi; sporty roadsters by FIAT; microcars such as smart and other segments and products of leading car manufacturers.



## Brands

AUDI	LEXUS	PORSCHE
BMW	LOTUS	RENAULT
BMW M	MAZDA	SMART
CHRYSLER	MERCEDES-BENZ	SUBARU
CITROËN	MERCEDES-AMG	SUZUKI
FIAT	MITSUBISHI	TOYOTA
HONDA	NISSAN	VOLKSWAGEN
INFINITI	PEUGEOT	



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