This is YOKOHAMA

The Global Tyre Brand since 1917
The Yokohama Rubber Group is composed of Yokohama Rubber Co., Ltd. and 120 subsidiaries, and 2 affiliates around the world. (as of 31 March 2011)

The tyre supplier for premium car manufacturers
YOKOHAMA tyres have been adopted worldwide as original equipment in the automotive industry in a wide range of vehicle categories, beginning with ultra-high-performance sports cars with a stellar global reputation including Porsche; microcars such as Smart; crossover wagons by Dodge, FIAT, and Lancia; and luxury sedans by Audi, Mercedes-Benz and other leading car manufacturers.

Environmental products and actions

YOKOHAMA
Forever Forest project

Complete Zero Emissions

Japan Technology

RADIC
(R & D center in Japan)

D-PARC
(Tyre test course in Japan)

T-MARY
(Winter tyre test course in Japan)

Development
(Designed in Japan)

High quality products – tested and labeled by the ADAC*

*ADAC = German Automobile Association empfehlenswert = recommended

High performance brand recognized by Motorsport professionals

FIA WTCC

IRC Rally

German Formula 3
YOKOHAMA High Performance Tyres
Passenger Car Tyre Line-up

SUV and 4x4 Tyre Line-up

Please note: The availability of tyres varies from country to country. Please contact your local distributor for details.
Performance
Cars
Wanted

For those who know real performance. ADVAN, The leader in our product line-up. The name found only on our top performing tyres. Fast, Comfortable, Genuine, Spirited. ADVAN is for those satisfied only when leading the pack.

YOKOHAMA has been supplying ADVAN tyres for FIA WTCC since 2006.
## The Flagship Tyre for the Premiums

### ADVAN Sport

**Pattern No. V105**

<table>
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<tr>
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<td>225/40R17</td>
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### OE approved vehicles

(stand: Mar. 2012)
- Mercedes-Benz SL (R231)
- Mercedes-Benz SLK (R172)
- Mercedes-Benz CLS (C218)
- Mercedes-Benz C Class (W204)

See P16-17 for more details

### Application:

- Premium cars, High performance cars

### Benefits

- A perfect balance of sport and comfort
- Excellent wet performance
- Low rolling resistance property for fuel saving
- Low external noise
- OE approved quality

### Features

- The latest YOKOHAMA advanced technologies for sport and comfort
- Environmental technologies for the Earth
- Born through joint developments with premium high performance car manufacturers

### Specification

- XL = Extra Load
- MO = Mercedes-Benz specification
- V105 = available size

### Table

<table>
<thead>
<tr>
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### ADVAN Sport

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<td>V103C</td>
<td>245</td>
<td>40</td>
<td>95Y</td>
<td>160</td>
</tr>
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</table>

**Features**

- High grip compound with a low dependency on temperature
- Innovational ADVAN asymmetrical tread design for outstanding drivability
- Exclusive construction for high powered, high speed and high loading stress

**Benefits**

- A perfect balance of sport and comfort
- High speed rating over 300km/h (Depend on sizes)
- Exceptional handling and braking in extreme conditions
- Wider size range to meet premiums and tuned cars
- OE approved spec available

**Application:** Premium cars, High performance cars and SUVs

**OE manufacturers having approved spec**

- Audi
- Bentley
- Nissan
- Honda
- Volkswagen
- Mercedes-Benz
- Mercedes-AMG

See P16–17 for more details

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### Pattern No. V103

<table>
<thead>
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</table>

**OE approved spec**

- N-0: Porsche specification
- N-1: Bentley specification
- AOE: Audi Original Extended (Runflat Tyre)
- XL: Extra Load
- MO: Mercedes-Benz specification

---

### Relationship between temperature and grip

- High temperature - High grip
- Low temperature - Low grip

---

**Conventional Tyres**
Premium SUVs

Application: Ultra High Performance SUVs

Benefits
- High speed rating up to Y with Extra Load Index (Depend on sizes)
- Exceptional handling and braking in extreme conditions
- Super inch-up sizes up to 24 inch, matching to premiums and tuned cars
- OE approved spec available

Features
- High grip compound with a low dependency on temperature
- W-shaped grooves and twin wide grooves for wet performance
- Exclusive construction for heavy weight and high speed

OE approved vehicles (stand: Mar. 2012)
Mercedes-AMG G Class (W463)
See P16–17 for more details

Fast Just Got Even Faster

Application: Sport cars, Club racers

Benefits
- Developed to be the fastest street tyre in the world
- Amazing dry grip and durability on the track
- Street-tyre property on wet and dry grip, and tread wear
- Ready to go from the track to the street

Features
- MS Compound with H.D.C. (MS: Micro Silica, H.D.C.: Hyper Density Carbon) for grip on wet and dry, treadwear
- Steel Sidewall Inserts for handling control
- Rapid Reflex Twin Ribs for stability and reducing uneven wear
- Unibloc Shoulder with HydroARC Channels
- Groove-in-Groove Technology

IMPORTANT CARE AND USAGE INSTRUCTIONS:
The ADVAN NEOVA AD08 was developed using high-performance compounds which become brittle at low temperatures, and therefore should not be used in certain conditions. ADVAN NEOVA tyres thus must be stored or used only at temperatures at or above 14°F (minus 10°C) to maintain performance characteristics and to avoid any damage to the tyre or injury to persons or property.

Notes: The availability of ADVAN NEOVA AD08 tyres varies by country.
The Blue Earth at heart

The earth is blue, and we want to keep our earth as blue as possible into the future. This can be achieved by our environmental actions, one stage at a time.

YOKOHAMA is pleased to introduce BluEarth as its latest global concept tyre, designed to deliver environmental, human and socially friendly solutions for you and your car.


BluEarth. The product engineering philosophy for Environmental, Human and Socially Friendly tyres.

Tyres should deliver driving pleasure as well as less environmental impact. YOKOHAMA has launched the BluEarth brand in order to pursue environmental, human and socially friendly performances from its tyres.

What’s the theme?
- Environmentally Friendly
- Human Friendly
- Socially Friendly

BluEarth Technology drive our future.

We have set up our BluEarth technologies to be environmental, Human and Socially friendly. We will proceed to develop more BluEarth technologies to include in our future tyres.

The concept expands to all our products.

BluEarth Strategy on YOKOHAMA Products Advanced Technologies to deliver Environmental, Human and Socially friendly solutions. BluEarth will expand to all existing YOKOHAMA tyre brand names as well as become an icon for future tyre brands which have the BluEarth concept, from replacement after market tyres to original equipment tyres for new vehicles.
Passenger Car Tyres

BluEarth-1  Pattern No. EF10

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<td>91H</td>
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</table>

XL = Extra Load  * = Available soon

Application: Hybrid cars, EVs, Compact cars

Benefits
- Super fuel saving as it is environmentally friendly
- Safety on wet roads, Anti air loss as it is human friendly
- Low external noise as it is socially friendly

Features
- nano BLEND compound
- Orange Oil
- Advanced Inner Liner, 36% less air leakage (compared with conventional inner liner)
- Light weight design, 17% less weight (compared with dB Super E-spec E501F)
- AERO Dynamics with Dimple and Dent design for sidewalls
- 5 pitch tread pattern design
- Hybrid wave grooves

BluEarth AE-01  Pattern No. AE01

Application: Compact cars, Small family cars

Benefits
- Fuel saving as it is environmentally friendly, 20% less rolling resistance (compared with A.drive)
- Safety on wet, Long life mileage as it is human friendly
- Low external noise as it is socially friendly

Features
- nano BLEND compound
- Orange Oil
- Light weight design, 10% less weight (compared with A.drive)
- AERO Dynamics with dent design for sidewalls brandings
- 5 pitch tread pattern design

The Advanced Inner Liner reduces air loss by up to 36% compared to conventional tyres, due to its anti penetrative character for air. This supports driver maintenance by keeping suitable air pressure inside and delivering real performance.

Why the Advanced Inner Liner reduces air loss

Bicycle tyres lose their air by time passing, and a bicycle without suitable air pressure needs more power to drive because of high rolling resistance. Vehicle tyres without suitable air pressure likewise need more power to drive.

Air pressure effects fuel consumption

Air resistance is one of the factors causing high fuel consumption, and it becomes more important on high speed tyres. BluEarth-1 has been developed by using original aero dynamics simulation system and wind tunnel testing.

AERO Dynamics Design

Many dimples on its sidewall and shoulders avoid a turbulence caused at the backside of a tyre by controlling air-flow. Dimple design delivers low air resistance

BluEarth-1 has a dent design for its brandings in order to reduce air resistance as much as possible.

Dent design for side brandings

YOKOHAMA’s most Fuel Saving Tyre Ever

The next Standard – Fuel Saving to the Earth
## The Feeling of Confidence

### C.drive2 Pattern No. AC02

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</table>

### Features
- Enhanced Full Logic tread design
- Spiral drain groove, Diamond-shaped bevels
- Silicia-rich compound with high molecular weight polymer

### Application: Small saloons, Large family cars

### Benefits
- Superior wet performance for ultimate safety
- Environmentally-friendly with low rolling resistance property
- Excellent handling, Excellent mileage
- OE approved spec available

### OE approved vehicles
(stand: Mar. 2012)
- Mercedes-Benz B-Class (W246)
- See P16–17 for more details

## The Feeling of Sportiness

### S.drive Pattern No. AS01

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</table>

### Features
- Multi-Dimensional tread design with variable angle grooves
- Groove-in-Groove
- High inch and narrow sizes for slender wheel housing

### Application: Sporty hatchbacks, Roadsters

### Benefits
- High style design with unique tuning size range
- Superb performance whatever the weather
- High speed capability up to 300km/h (depend on sizes)
- OE approved spec available

### OE approved vehicles
(stand: Mar. 2012)
- Smart fortwo (BR451)
- Smart fortwo BRABUS (W451)
- See P16–17 for more details
**The Feeling of Fun**

**Application:** Compact cars, Super mini, Small family cars

**Benefits**
- A good balance of comfort and stability
- Life-long grip in both wet and dry
- Long mileage

**Features**
- AQUA-PROOF tread design
- Silicia compound minimising the effects of temperature differentials
- Slim-Long design for the contact pressure

---

**Aggressive Design Meets Responsive Control**

**PARADA Spec-X**

**Application:** Luxurious Tuned SUVs

**Benefits**
- Super stylish and distinctive look with super inch-up sizes over 26 inch
- Comfortability for super inch-up
- Excellent wet and dry grip
- Anti uneven wear and durability

**Features**
- Circumferential centre groove, Solid centre curved ribs
- Dimple design
- Variable pitch pattern design
- Rim protector side wall

---

**Application:** Luxurious Tuned SUVs

**Benefits**
- Super stylish and distinctive look with super inch-up sizes over 26 inch
- Comfortability for super inch-up
- Excellent wet and dry grip
- Anti uneven wear and durability

**Features**
- Circumferential centre groove, Solid centre curved ribs
- Dimple design
- Variable pitch pattern design
- Rim protector side wall
Getting out from the city and driving into nature for the weekend. Drive a million miles through a rough, muddy road and a lush grassland. Bring out the potential of your SUV with GEOLANDAR. Its high performance broadens the horizon of your actions and will offer you impressive encounters with nature and an incredible scenery. With this tyre, even a rhythmic bumpy ride on a harsh road will feel like a dance move, full of passion. For the enthusiast driver who craves the outdoors at the weekend, this tyre makes their dream, to roam every corner of the earth, a reality.

GEOLANDAR – Enjoy dancing on the earth, with high performance tyres.

Dancing with GEOLANDAR
### GEOLANDAR SUV

**Application:** Compact SUVs

**Benefits:**
- Passenger-car-like performance
- Fuel saving
- Low noise
- Safety wet grip

**Features:**
- nano BLEND compound
- Orange Oil
- 5 pitch pattern variation
- Zig-Zag grooves
- Light weight design

### GEOLANDAR H/T-S

**Application:** Full size SUVs and 4x4s

**Benefits:**
- Good comfortability with silent performance
- Long mileage with anti-uneven wear property
- Excellent handling and braking during on-road driving

**Features:**
- Proprietary compound giving excellent wet-traction and mileage
- Twin wide & straight grooves, Multiple cross grooves
- Geometrically optimised blocks, Large shoulder blocks

---

#### Size Series Size Side
- **20**
  - Inch Series: Size: Side
  - 205/55R20: 102V RBL
  - 225/60R20: 107H RBL
  - 235/55R20: 107H RBL
- **19**
  - Inch Series: Size: Side
  - 225/55R19: 103V RBL
  - 235/55R19: 103V RBL
  - 235/60R19: 103V RBL
- **18**
  - Inch Series: Size: Side
  - 235/60R18: 105H RBL
  - 235/60R18: 107V XL RBL
  - 245/60R18: 107V XL RBL
- **17**
  - Inch Series: Size: Side
  - 215/60R17: 95H RBL
  - 235/55R17: 99H RBL
  - 235/55R17: 99H RBL
  - 235/55R17: 104H XL RBL
  - 265/65R17: 112H RBL

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#### Size Series Size Side
- **265/75R16**
  - Size: Side
  - 116H RBL
- **215/70R15**
  - Size: Side
  - 98H RBL
  - 108H RBL
  - 112H RBL
- **235/75R15**
  - Size: Side
  - 105H RBL
  - 108H RBL
  - 112H RBL

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#### Size Series Size Side
- **235/55R20**
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  - 102V RBL
- **235/55R19**
  - Size: Side
  - 103V RBL
- **235/55R18**
  - Size: Side
  - 100V RBL
  - 107V XL RBL

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#### Size Series Size Side
- **235/60R18**
  - Size: Side
  - 103H RBL
  - 108H RBL
  - 109H RBL

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#### Size Series Size Side
- **245/60R18**
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  - 105H RBL
  - 111H RF RBL
  - 111H RBL

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#### Size Series Size Side
- **235/55R17**
  - Size: Side
  - 99H RBL
  - 108H RBL

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#### Size Series Size Side
- **235/55R16**
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  - 95H RBL
  - 100H RBL

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#### Size Series Size Side
- **235/55R15**
  - Size: Side
  - 98H RBL
  - 108H RBL
  - 112H RBL

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#### Size Series Size Side
- **235/55R14**
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  - 94H RBL
  - 99H RBL

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- **235/60R16**
  - Size: Side
  - 104V XL RBL
  - 104V RBL

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#### Size Series Size Side
- **235/60R15**
  - Size: Side
  - 98H RBL
  - 100H RBL
  - 103H RBL
  - 106H RBL

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#### Size Series Size Side
- **235/60R14**
  - Size: Side
  - 95H RBL
  - 103V RBL

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#### Size Series Size Side
- **235/65R18**
  - Size: Side
  - 108H RBL
  - 108H RBL
  - 109H RBL

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#### Size Series Size Side
- **235/65R17**
  - Size: Side
  - 108H RBL
  - 109H RBL
  - 110H RF RBL

---

#### Size Series Size Side
- **245/65R17**
  - Size: Side
  - 112H RBL
  - 115H RBL

---

#### Size Series Size Side
- **265/65R17**
  - Size: Side
  - 112H RBL
  - 115H RBL

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#### Size Series Size Side
- **245/65R16**
  - Size: Side
  - 111H RF RBL
  - 111H RBL

---

#### Size Series Size Side
- **225/70R16**
  - Size: Side
  - 108H RF RBL
  - 112H RBL

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#### Size Series Size Side
- **265/70R16**
  - Size: Side
  - 112H RBL
  - 114H RBL

---

#### Size Series Size Side
- **30X9.50R15LT**
  - Size: Side
  - 104S OWL/RBL
  - 109S OWL/RBL

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#### Size Series Size Side
- **265/75R15**
  - Size: Side
  - 112H RBL
  - 114H RBL
  - 116H RBL

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#### Size Series Size Side
- **235/75R15**
  - Size: Side
  - 105H RBL
  - 108H RBL
  - 112H RBL

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#### Size Series Size Side
- **31X10.50R15LT**
  - Size: Side
  - Available soon
Redefining Rugged

GEOLANDAR M/T+ Pattern No. G001C

Application: Off-road SUVs and 4x4s

Benefits
- Amazing traction and stability off-road
- Anti-wear on-road and anti-chipping off-road

Features
- Powerful progressive shoulder
- Dual protection bars
- Twin cut grooves

OE approved vehicles (stand: Mar. 2012)
Mercedes-Benz G Class (W463)
See P16–17 for more details

Application: All-round SUVs and 4x4s

Benefits
- Excellent traction off-road
- Comfort and silence on-road
- Durability, Anti-uneven wear property with consistent wear rate
- OE approved spec available

Features
- Multi-Step tread block design
- 5 pitch tread pattern variation
- Powerful sidewall protectors
- 3-D sipes
- 4 deep straight grooves

OE approved vehicles
Mercedes-Benz G Class (W463)
See P16–17 for more details

Soulmate to Adventure

GEOLANDAR A/T-S Pattern No. G012

Application: All-round SUVs and 4x4s

Benefits
- Excellent traction off-road
- Comfort and silence on-road
- Durability, Anti-uneven wear property with consistent wear rate
- OE approved spec available

Features
- Multi-Step tread block design
- 5 pitch tread pattern variation
- Powerful sidewall protectors
- 3-D sipes
- 4 deep straight grooves

OE approved vehicles (stand: Mar. 2012)
Mercedes-Benz G Class (W463)
See P16–17 for more details

Inch Series Size Side

17 70 LT235/70R17 108S XL OWL/RBL
215/70R17 108H RBL
245/70R17 107H RBL
265/70R17 112H RBL
275/70R17 114H RBL

16 60 LT205/70R16 100S RBL
LT225/70R16 103S RBL
LT235/70R16 107S RBL
LT255/70R16 110S RBL
LT265/70R16 112S RBL

15 50 LT185/70R15 98H RBL
LT205/70R15 98H RBL
LT215/70R15 100H RBL
LT235/70R15 106H RBL
LT245/70R15 110H RBL

Inch Series Size Side

20 45 LT305/70R20 112H RBL
LT325/70R20 115H RBL
LT355/70R20 118H RBL

18 70 LT265/75R18 112H RBL
LT285/75R18 115H RBL
LT315/75R18 118H RBL

16 60 LT235/75R16 105H RBL
LT255/75R16 109H RBL
LT275/75R16 113H RBL
LT295/75R16 117H RBL

15 50 LT205/70R15 98H RBL
LT215/70R15 100H RBL
LT225/70R15 102H RBL
LT235/70R15 106H RBL
LT245/70R15 110H RBL

GEOLANDAR A/T-S

Inch Series Size Side

225/65R18 101S RBL
215/65R18 100S RBL
225/65R18 100S RBL
235/65R18 105S RBL
245/65R18 107S RBL
255/65R18 110S RBL
265/65R18 112S RBL
275/65R18 115S RBL
295/65R18 118S RBL
305/65R18 120S RBL
335/65R18 122S RBL

15 55 LT205/55R15 94H RBL
LT215/55R15 96H RBL
LT225/55R15 98H RBL
LT235/55R15 100H RBL
LT245/55R15 102H RBL
LT255/55R15 105H RBL
LT265/55R15 108H RBL
LT275/55R15 110H RBL
LT285/55R15 112H RBL
LT295/55R15 115H RBL
LT305/55R15 118H RBL

14
### Well-balanced Commercial Vehicle Tyre

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**Application:** Transporters, Vans, Cargos

**Benefits**
- All weather traction with Severe Snow Flake Symbol
- Long mileage and durability
- High resistance against critical damages

**Features**
- Deep grooves and multiple sipes
- Snow and long-life compound
- Kebing Rib for protecting sidewall-damage

*No kerbing rib on sizes below 14 inch.

### All-season Tyre for Commercial Vehicles

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**Application:** Transporters, Vans, Cargos

**Benefits**
- All weather traction with Severe Snow Flake Symbol
- Long mileage and durability
- High resistance against critical damages

**Features**
- Long-life compound
- 3 wide grooves
- Kebing Rib for protecting sidewall-damage
## Original Equipment

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**SMART**

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Available Sizes – Passenger Car Tyres

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Note: All sizes are available in the following specifications:
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- ADVAN S.T.
- SUV
- M/T-S
- M/T+S
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Approved rim width and overall diameter from ETRTO standards manual 2011 and ETRTO engineering design information 2011.

- **= Approved rim width and overall diameter from TRA yearbook 2011.
- **= Approved rim width and overall diameter from JATMA yearbook 2011.
- **= Reinforced
- **= Extra Load
- **= V801 available size
- **= Available soon
- RBL = Raised Black Letter
- OWL/RBL = outlined White Letter/Raised Black Letter
- N-0 = Porsche specification
- N-1 = Porsche specification
- AO = Audi specification
In 2012 the European Union will introduce a new 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 will take effect as from November 2012 for tyres on sale in the EU under European Regulation (EC/No.1222/2009).

The label must be accompanied on the actual tyre and will give consumers useful information to assist them when purchasing new tyres.

On the left you can find an example of the new EU tyre label. These graphics on the label may be 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 5 classes which range from A (most efficient) to G (least efficient), the grading indicates the tyre’s contribution to fuel efficiency and CO₂ 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
The best noise level performance.
(3 dB below the future European limit*)

2 sound waves
The average performance. (Already compliant with the future European limit*)

3 sound waves
The weakest performance. (Compliant with the current European limit)

* The new European tyre external noise levels will be introduced by 2016.
Technical Information

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 275kPa (2.75bar, 40psi) 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 cornering or breaking in unnecessary situations, you must 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.

For Your Comfort & Safety (continued)

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 (ADVAN Sport 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 80km (50 miles).
  - do not re-inflate after run flat operation and do not repair.

For Your Comfort & Safety (continued)

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 minimize 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 recognize any of the above-mentioned conditions (especially on your front tyres).

How to read the tyre code

- Manufacturer’s Name
- Tyre Size Designation
- Brand Name
- Tread Pattern Name
- Country of Origin
- Identification Serial Number
- “RADIAL” Designation —The word “RADIAL” is marked for a radial ply tyre.
- “TUBELESS” Designation —The word “TUBELESS” must be branded on a tubeless type tyre.
- YOKOHAMA tyres are marked in accordance with international regulations. So the sidewall is marked with a circle containing the E and the number of the country of homologation. This marking is followed by a multi-digit homologation number.
- e.g. ES 4 = Netherlands
- DOT Mark —The symbol certifying compliance with FMVSS respectively.
- BluEarth Mark —The symbol of new eco tyre showing YOKOHAMA’s commitment to producing environmentally, human and socially friendly tyres.
- Original Equipment Manufacturer Letters — The symbol varies according to car manufacturers, and signify approval by these. (e.g. AO mark signifies AUDI, MO Mark signifies DAIMLER, N-0 and N-1 signifies PORSCHE.)

Example of ISO notation of radial tyre

205/55R16 91W

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

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.

Load index

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

<table>
<thead>
<tr>
<th>Load index</th>
<th>U</th>
<th>V</th>
<th>W</th>
<th>X</th>
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<td>71</td>
<td>77</td>
</tr>
</tbody>
</table>

Example of ISO rotation of radial tyre

205/55R16 91W

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

Speed symbol

- H: 190
- Q: 160
- S: 180
- T: 150
- V: 240
- W: 270
- Y: 300
- Z: 320
- ZR: over 240

Tread Wear Indicator

Triangle marks (A) on the sidewall show the tread groove position of the “tread wear indicators”, the “tread wear indicators” represent 1.6mm of remaining tread depth at which time the tyre should be replaced.
YOKOHAMA Tyres – tested and labeled by the ADAC*

The ADAC e. V. is Europe's leading Automobile Association. The Association strives to protect the interests of motorists and is committed to campaigning for road safety. The ADAC tests all tyres in the aspects of comfort, economy and ecology as well as specific handling under normal and aggravated road conditions (e.g. handling on wet, icy or snowy surfaces). The ADAC then awards certification based on the results. These award certificate labels are shown below.

*ADAC = German Automobile Association

YOKOHAMA tyres are “empfehlenswert” (recommended):

Summer tyres

YOKOHAMA Tyres – Driven and Tested by:

ADAC (D) • Algemene Nederlandsche Wielrijders-Bond (NL) • Autroconsumo (I) • Auto Bild • Auto Express (UK) • Auto plus (F) • Auto Zeitung (D) • Autoreview (RUS) • Consumentenbond (NL) • Deco Proteste (POR) • Echappement (F) • Evo-Magazine (UK) • Forbrukerrådet (NOR) • Hrvatski autoklub (CRO) • Foreningen of Danske Motorejere (DK) • Konsument (D) • ÖAMTC (AT) • Power Car (D) • Spartauto (D) • Stiftung Warentest (D) • Teknikan Maailma (SF) • Test Ankoop (BE) • Touring Club Schweiz (CH) • ÜMTK (CZ) • Which? (UK) • Za Rulem (RUS)