

# Giti



## Giti Synergy<sup>H2</sup> German Engineering

For drivers and families who seek an overall terrific combination of comfort, safety, mileage, and fuel savings – the Giti Synergy H2 offers German Engineering and AdvanZtech development for both mid and high-range vehicles.


**Rim size:**

 14 - 19"

**Aspect Ratio:**

 50 - 70

**Max. speed:**

 210 - 300 km/h

|    | Size       | Speed Rating | Load Index |                 | Size       | Speed Rating | Load Index |
|----|------------|--------------|------------|-----------------|------------|--------------|------------|
| 14 | 185/60R14  | H            | 82         | 17              | 225/55R17  | V            | 97         |
|    | 175/65R14  | T            | 82         |                 | 215/55R17  | H            | 98         |
|    | 165/70R14  | T            | 81         |                 | *235/65R17 | V            | 108        |
| 15 | 185/60R15  | H            | 88         |                 | *225/65R17 | V            | 102        |
|    | 195/65R15  | H            | 95         |                 | *215/60R17 | H            | 96         |
|    | 185/65R15  | H            | 88         |                 | 205/50R17  | Y            | 93         |
|    | 185/65R15  | T            | 88         |                 | 225/50R17  | Y            | 98         |
|    | 205/65R15  | H            | 99         |                 | *235/55R17 | V            | 99         |
|    | 195/65R15  | H            | 91         |                 | *215/65R17 | V            | 99         |
|    | 195/60R15  | H            | 88         |                 | 225/55R17  | Y            | 101        |
|    | 195/65R15  | V            | 91         |                 | 215/50R17  | Y            | 95         |
|    | 175/65R15  | H            | 84         |                 | *215/55R17 | W            | 94         |
|    | 185/55R15  | H            | 82         |                 | 205/55R17  | W            | 95         |
| 16 | 195/50R15  | V            | 82         |                 | *225/60R17 | V            | 99         |
|    | 195/55R15  | V            | 85         | 18              | *235/50R18 | V            | 97         |
|    | 185/65R15  | T            | 92         |                 | *225/50R18 | W            | 99         |
|    | 205/60R16  | H            | 96         |                 | *235/60R18 | W            | 107        |
|    | *215/65R16 | H            | 98         | 19              | *215/55R18 | V            | 99         |
|    | 205/55R16  | V            | 91         |                 | *225/55R18 | V            | 98         |
|    | 205/55R16  | H            | 91         |                 | *225/60R18 | V            | 100        |
|    | 205/60R16  | V            | 96         |                 | *235/55R18 | V            | 104        |
|    | 205/55R16  | W            | 91         |                 | *255/55R18 | T            | 105        |
|    | 215/55R16  | W            | 97         |                 | *235/60R18 | T            | 103        |
|    | 215/60R16  | V            | 99         |                 | 215/50R18  | T            | 92         |
|    | 225/55R16  | W            | 99         |                 | *225/55R19 | V            | 99         |
|    | 195/55R16  | V            | 91         | * for SUV sizes |            |              |            |
|    | 195/55R16  | W            | 91         |                 |            |              |            |
|    | 195/55R16  | W            | 91         |                 |            |              |            |
|    | 195/55R16  | W            | 91         |                 |            |              |            |
|    | 205/55R16  | V            | 94         |                 |            |              |            |
|    | 185/50R16  | H            | 81         |                 |            |              |            |
|    | 175/60R16  | H            | 82         |                 |            |              |            |
|    | 205/65R16  | H            | 95         |                 |            |              |            |



### LONGEVITY AND FUEL SAVINGS

- Optimized pattern block geometry & sequence for low noise and smooth riding
- Improved rolling resistance for lower emissions and fuel savings. RR label A in selected sizes



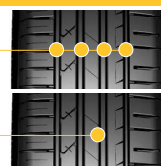
### COMFORT AND SAFETY

- Large center blocks with 3D tread grooves deliver the utmost grip for better driving safety even on the wettest roads
- Contact (SFC) provides a better contact area where the tread meets the road. This profile also prevents tyre deformations while minimizing shoulder wear for longer tyre life

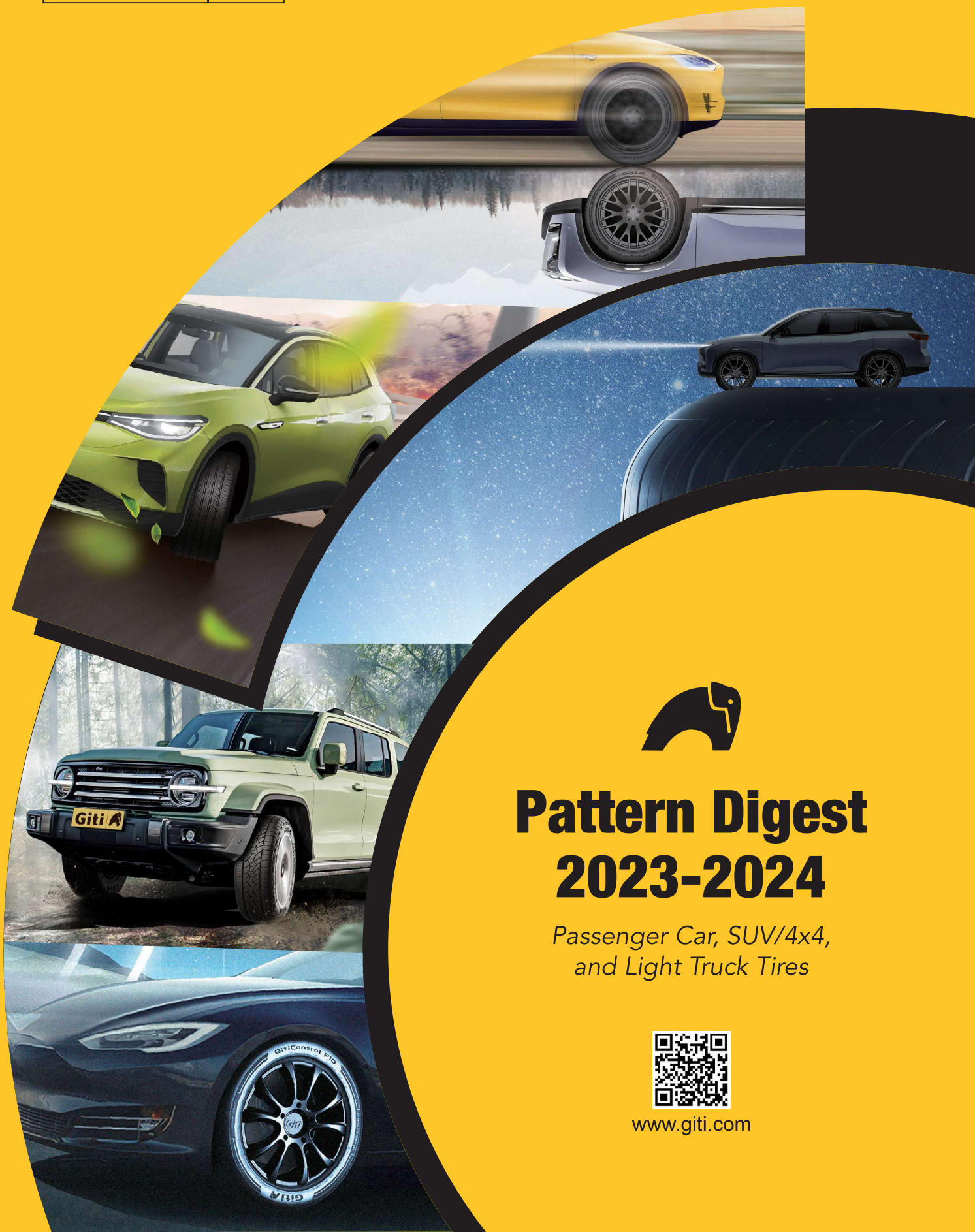


### WET DRIVING STRENGTHS

- 4 Wide grooves for exceptional water drainage (3 grooves for section <195)
- Innovative new tread compound for extremely short braking distances - Wet Label A
- 4% improved aquaplaning resistance from previous generation



Giti Synergy<sup>H2</sup>



# Pattern Digest 2023-2024

Passenger Car, SUV/4x4,  
and Light Truck Tires



[www.giti.com](http://www.giti.com)



# A Singapore Based Global Tire Company

Giti Tire has been in the tire business for more than 70 years. The company has become one of the world's largest tire manufacturers, serving customers in more than 130 countries.



5

## R&D and Testing Centers

4 R&D in Germany, USA, China, Indonesia, and 1 testing center in Indonesia



5

## Manufacturing Plants

3 in China, 1 in Indonesia  
1 in the US



10

## Offices

Singapore, Indonesia, Malaysia, China, U.S., Canada, U.K., Germany, France and Dubai



More than

30,000

Employees  
Worldwide



More than

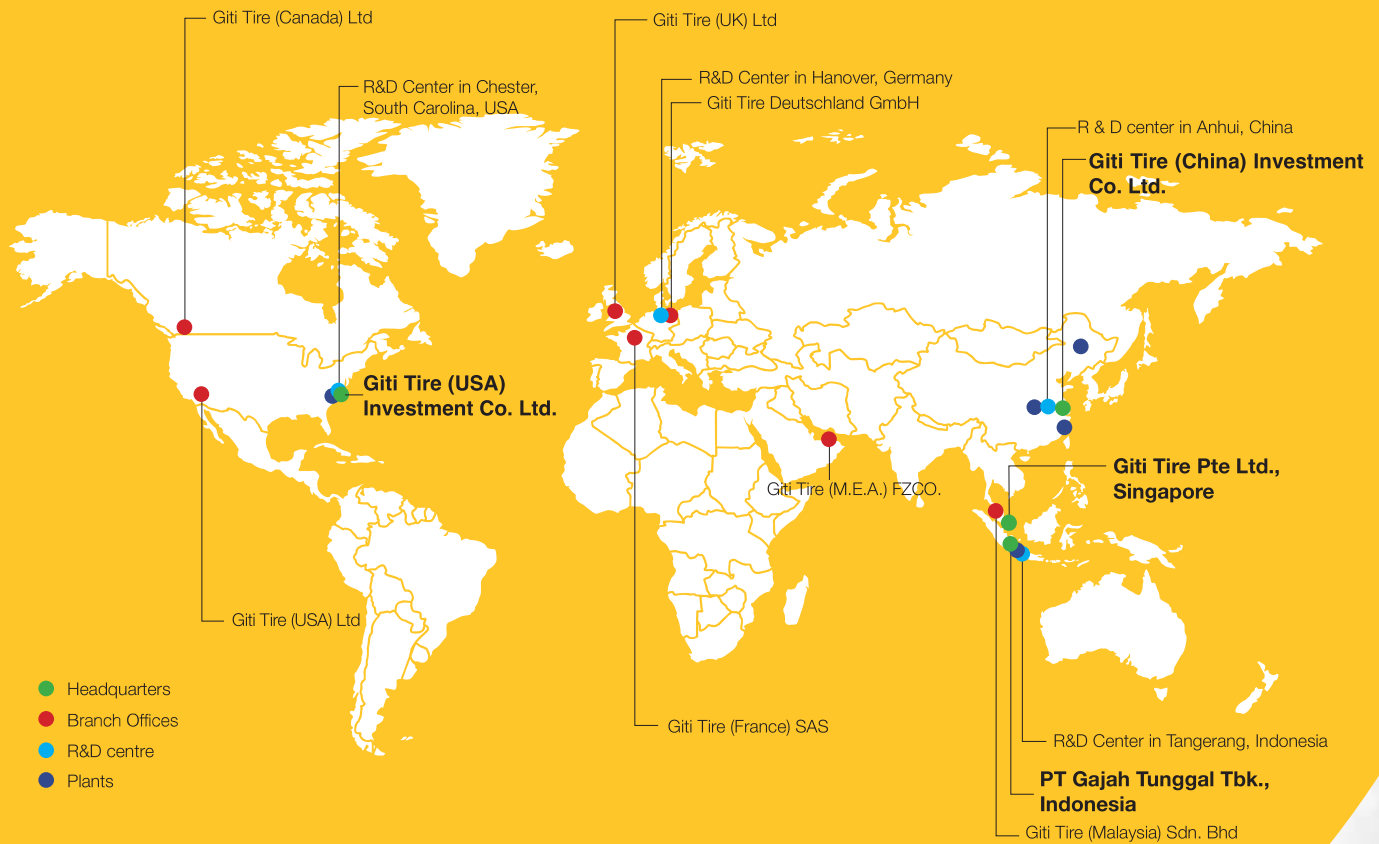
70,000

Points of Sale

In more than 130 countries



# A Strong Presence All Around the World







**Singapore**



**Shanghai, China**



**Tangerang, Indonesia**

As a Singapore based global tire company, one of Giti Tire's strengths is its international reach encompassing distribution, facilities, OEM fitments, and brand-driven motorsports.

This begins from Giti's 10 offices, five manufacturing plants in three countries, and tire sales in more than 130 countries around the world, and continues with Giti's highly diverse team-members, partners, and activities globally.

Just having a number of global offices is not enough. True international-connectivity is to have all aspects of the company working together, to best execute strategy, production, and sales on both global and local levels.

## International Accreditations







# advanztech

Giti utilizes state of the art equipment and high technologies to bring to reality forward-thinking innovative ideas.

The centers operate as one globally integrated R&D system with a shared technical knowledge management platform - AdvanZtech. There are a range of components that make up AdvanZtech, creating an all - encompassing platform that considers driver needs from six key perspectives.



**Discover More:**

[www.giti.com/en-us/product-services/advanztech](http://www.giti.com/en-us/product-services/advanztech)



## Quiet and Comfort

Some noise is inevitable while driving. However Giti Tire's pattern noise simulation system optimizes the design of its tires to quiet down the noise from the tire and road interaction. This technology eliminates annoying tire vibrations by combining testing, modal and transmissibility analysis, and structural analysis, improving overall ride comfort.



## Green and Energy Efficient

Giti's low rolling resistance green and eco-friendly technologies reduce energy consumption, thus saving fuel, and protecting the environment. The low rolling resistance compound reduces friction between rubber molecules, which lowers energy consumption. This means less heat generation, less fuel, and better protection for the environment.



## Safety Without Worry

Giti Tire participates in leading global motorsports events and applies the technology and experience to everyday tires. Safety performance is the core value of Giti tires. Through in-depth research on tire compound, pattern, and structure, Giti develops and applies safety-focused technologies that ensure strong grip and stability in all road conditions and applications.



## Quality and Endurance

Tire endurance and wear performance determine tire mileage and application life. Specially formulated compounds from Giti improve the strength of rubber and enhance wear resistance of the tire. Giti also optimizes tire structure and pattern design to distribute tire footprint friction energy evenly, thus extending tire wear mileage.



## Precise Control

The contact area between the tire and road provides the forces for a vehicle's drive impacting control performance. Through simulation and test technology, Giti optimizes its tire structure - fine - tuning tire stiffness, improving grip, and optimizing handling response. Giti Tire improves the dry/wet grip performance of its tires through optimization of compound and pattern design.



## Smart and Innovative

Giti is actively engaged in the next generation innovative tire technologies. The latest smart tire technologies help reveal hidden safety hazards opening new frontiers for improved safety and performance.





# Top Auto Manufacturers Trust Giti

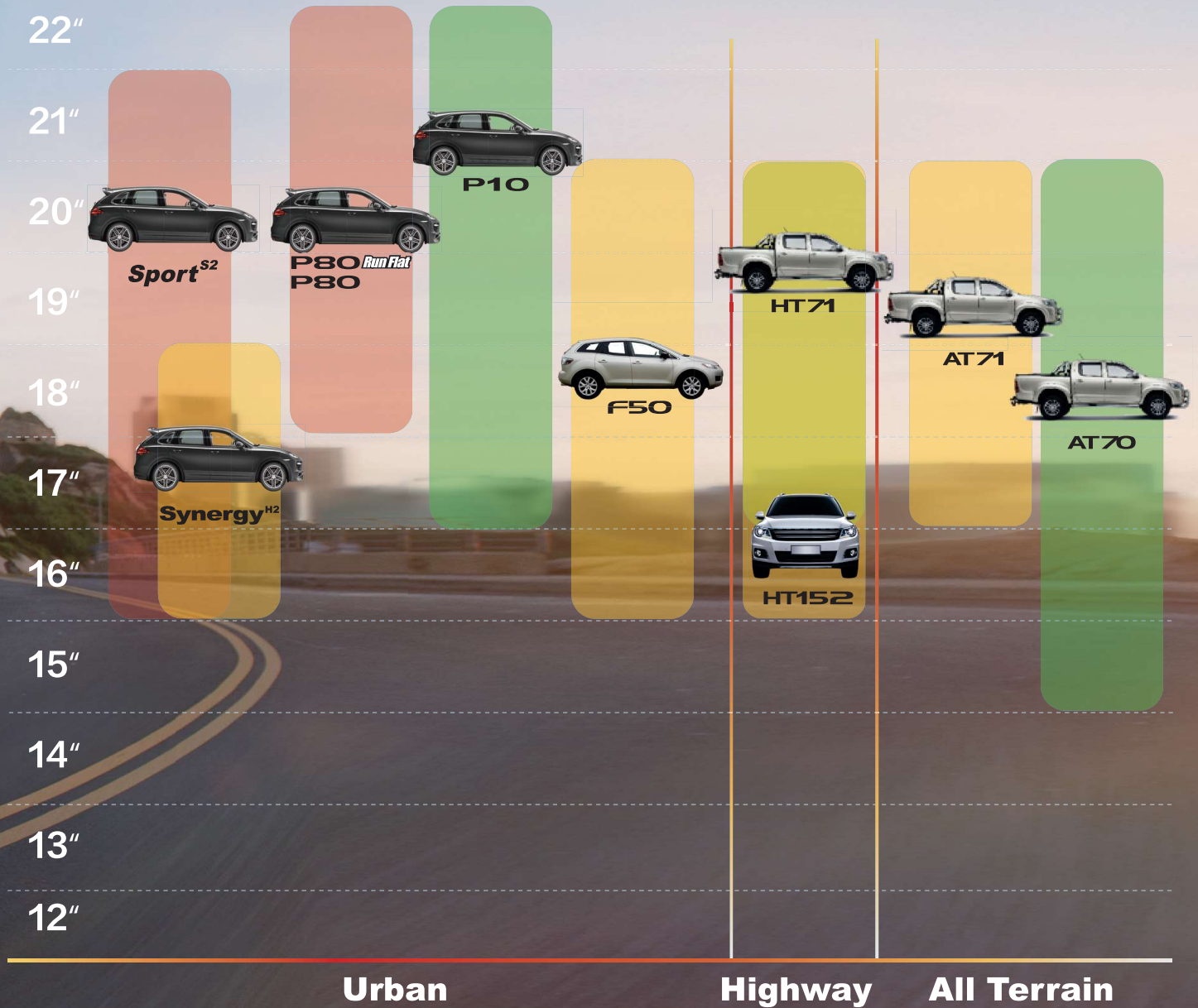
By providing consistently high-quality products and cultivating strong relationships throughout the years, Giti has earned the trust of vehicle manufacturers around the world.





# SUV & 4x4 Mapping

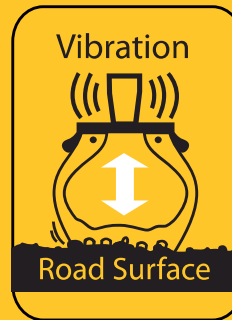
Rim Size:



## General Function of Tires for All Types of Vehicles



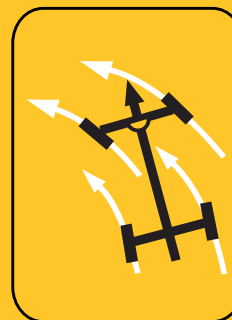
- 1. Weight-bearing**  
Air pressure and tire construction are important factors to carry and sustain the weight of vehicles.



- 2. Absorb shocks**  
Air pressure and tire construction reduces initial road vibrations and shocks before being muted again by the suspension .



- 3. Delivering power from the engine**  
Tires serve to deliver power from the engine to move the vehicle and also provides traction and braking performance .



- 4. Translating steering wheel movement**  
Tires are very important in controlling the direction of the vehicle, which will determine the maneuvering capability and stability in driving.

## Understand Tire Size



Tires have its 'language' to communicate in the form of a series of numbers and letters to indicating data specification, brand and type. It is universal and has been agreed by all tire manufacturers worldwide.

Here are the meanings of these codes:

1. Tire width (in mm)
2. A tire's aspect ratio is the dimensional relationship of the tire's section height to section width, expressed as a percentage.
3. Diameter of wheel (in inches)
4. Load Index
5. Speed Index

## Understand Load Index and Speed Rating

The Speed index is an assigned letter ranging from J to Z that corresponds to the reference maximum speed at the associated load index. Refer to the load index and speed rating tables below.

These two elements put together are called the service description and are mutually dependent. The table below gives the load index and the speed symbol with their corresponding value.



## UTQG (Uniform Tire Quality Grades) Rating

The UTQG (Uniform Tire Quality Grades) rating is a labeling requirement by the U.S Department of Transportation for all tire manufacturers. The label of UTQG represents a tire's Treadwear, Traction and **Temperature** resistance. Traction and temperature resistance ratings are specific performance levels, while treadwear ratings are assigned by manufacturers following tests conducted and are reliable when comparing tires of the same brand.



### The UTQG rating comprises of 3 components. Treadwear

The treadwear grade indicates the wear rate of a tire and is a comparative rating based on test conducted by tire manufacturers. The grades are not an indication of actual mileage, but can be used as a relative comparison. For example, a grading of 400 should last twice as long as a tire graded 200, given similar driving conditions in the same brand.

### Traction

Traction rating is an indication of a tire's ability to stop on wet pavement. The braking distance is indicated by ratings of "AA" (highest braking ability), "A", "B" and "C". Traction rating only indicates straight line wet braking and does not indicate wet cornering abilities of the tire.

### Temperature

Temperature resistance rating indicates the tire's ability to withstand heat. It is graded according to a properly inflated and not overloaded tire. It is graded from "C", being the lowest, to "B" and "A" ratings.

## Load Index (Symbol and Maximum Load in Lbs & Kg)

| LI | Lbs | Kgs | LI | Lbs  | Kgs | LI  | Lbs  | Kg  | LI  | Lbs  | Kg   |
|----|-----|-----|----|------|-----|-----|------|-----|-----|------|------|
| 71 | 761 | 345 | 81 | 1019 | 462 | 91  | 1356 | 615 | 101 | 1819 | 825  |
| 72 | 783 | 355 | 82 | 1047 | 475 | 92  | 1389 | 630 | 102 | 1874 | 850  |
| 73 | 805 | 365 | 83 | 1074 | 487 | 93  | 1433 | 650 | 103 | 1929 | 875  |
| 74 | 827 | 375 | 84 | 1102 | 500 | 94  | 1477 | 670 | 104 | 1984 | 900  |
| 75 | 853 | 387 | 85 | 1135 | 515 | 95  | 1521 | 690 | 105 | 2039 | 925  |
| 76 | 882 | 400 | 86 | 1168 | 530 | 96  | 1565 | 710 | 106 | 2094 | 950  |
| 77 | 908 | 412 | 87 | 1201 | 545 | 97  | 1609 | 730 | 107 | 2149 | 975  |
| 78 | 937 | 425 | 88 | 1235 | 560 | 98  | 1653 | 750 | 108 | 2205 | 1000 |
| 79 | 963 | 437 | 89 | 1279 | 580 | 99  | 1709 | 775 | 109 | 2271 | 1030 |
| 80 | 992 | 450 | 90 | 1323 | 600 | 100 | 1764 | 800 | 110 | 2337 | 1060 |

## Speed Rating (Symbol and Maximum Speed in MpH & KmH)

|     | J   | K   | L   | M   | N   | P   | Q   | R   | S   | T   | H   | V   | W   | Y   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| MpH | 62  | 68  | 75  | 81  | 87  | 93  | 100 | 106 | 113 | 118 | 130 | 150 | 168 | 188 |
| KmH | 100 | 110 | 120 | 130 | 140 | 150 | 160 | 170 | 180 | 190 | 210 | 240 | 270 | 300 |

Note: A "ZR" may appear for tires having a maximum speed capability above 240km/h (150 mph)