

Original Equipment Premium SUV Tires

ADVAN V61 E+

Pattern No.V61



Wet



Dry



Silence



Comfort



Handling



Asymmetric

Newly designed tread pattern produces quietness and reliable wear / wet performance

ADVAN V61 Exclusive design pattern

In addition to the asymmetric pattern design—which delivers both dry and wet performance—YOKOHAMA’s independent AI technology yields superior advancements in the overall pattern design phase. These adjustments have resulted in the achievement of even more stringent performance goals with greater accuracy.



1 Inner Pattern Design

The inner pattern offers superior wet performance. The goal here is excellent drainage, achieved by more groove surface area on the inside as opposed to the outside, as well as the narrow grooves etched into the innermost section.

2 Outer Pattern Design

The outer design pattern determines dry performance. A special feature of this tire is its high level of rigidity and large contact area, which supports heavy loads by engendering solid grip when the vehicle turns a corner.

3 Non-Penetrating Lug Grooves

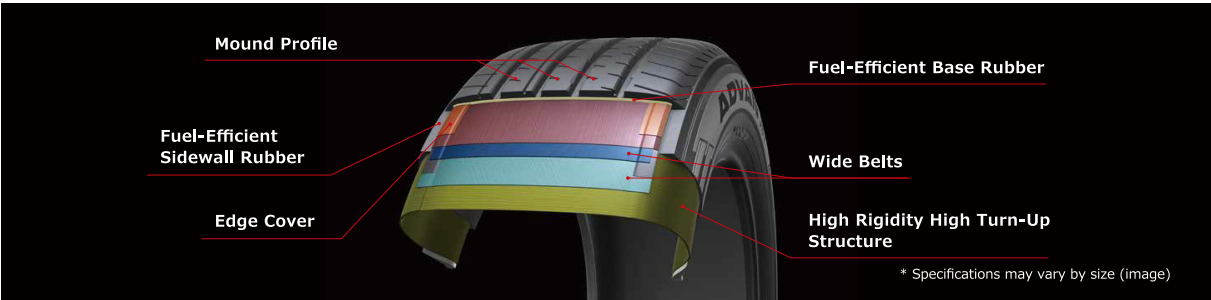
Air pumping noise is produced when the compressed air generated between the tire and the road is released. The non-penetrating lug grooves prevent air from escaping, reducing noise.

4 Lightning Edge Grooves

Both sides of the center ribbing as well as the outer edges of the grooves are etched with a zigzag (lightning) shape. This enhances rigidity to yield edging that handles water film. The result is both better wet performance and overall handling.

5 Four Straight Grooves + One Narrow Groove

In addition to four thick grooves, the design also features a narrow groove on the inside. Improvements have been made to the drainage when the car is travelling on wet surfaces, yielding superior performance in hydroplaning situations.

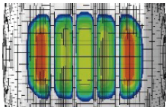


Delivers opposing wet performance and fuel economy at a high level

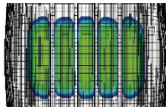
Silica does not mix easily with rubber, but is dispersed evenly by a blend of coupling agents and silica dispersants. Small grain particulate silica is used to improve wet performance and wear resistance by increasing adhesive friction. A.R.T. mixing is applied to enhance silica dispersion. It also offers a high balance of wear resistance, wet performance, and roll resistance.

● A specialized profile accommodates heavy loads and strikes a perfect balance between wet performance and fuel efficiency

The profile is crucial in that it achieves a balance between various performance indicators. The ADVAN V61 profile is wide to offer greater ground contact. Additionally, genetic algorithms are applied using AI to create an optimal shape that optimizes both wet performance and fuel efficiency—which are a challenge to balance without compromising one or the other—while at the same time handling heavy loads.



Profile at initial stage of development



Improved profile

Size

輪圈直徑	扁平比	尺寸	Pattern	OE	輪圈直徑	扁平比	尺寸	Pattern	OE
22	45	255/ 45R22 107V	V61	—	18	55	225/ 55R18 98H	V61H	LEXUS
21	50	235/ 50R21 101W	V61	—			235/ 55R18 104V	V61	—
20	45	255/ 45R20 105W	V61	—			255/ 55R18 105V	V61A	LEXUS
	50	235/ 50R20 104W		—		60	225/ 60R18 100V	V61	—
	55	235/ 55R20 102V		—			235/ 60R18 103H	V61A	LEXUS
19	55	225/ 55R19 99V	V61	—			235/ 60R18 103V	V61B	MAZDA
		235/ 55R19 105V		—			235/ 60R18 107V	V61E	MAZDA
						17	60	225/ 60R17 99H	V61H