WINTER WHEEL KITS
FOR YOUR VOLVO

2018/2019
For over 90 years, Volvo has led the automotive industry in the development of safety innovations. Your Volvo Retailer has extensive knowledge of every Volvo model and can give you the best advice when it comes to the winter wheel and tire requirements that best suit your car. A key component in safe winter driving is to ensure that you have a wheel and tire combination that is designed to provide superior grip in all winter weather conditions.

A MATTER OF SAFETY

Volvo Cars has set an ambitious goal in safety innovation – that by 2020, nobody shall be seriously injured or killed in a new Volvo. In order to achieve this goal, many new autonomous driving technologies have been developed to help drivers effectively mitigate collisions. We call this suite of technologies IntelliSafe, and each element is designed to assist drivers in avoiding impacts with vehicles, cyclists, pedestrians and large animals. We combine these driver support technologies with ABS brakes and Electronic Stability Control (ESC) to give drivers the ultimate collision avoidance support.

All of these technologies have one thing in common; they depend on brake and steering performance, which is exclusively dependent on tire grip. The contact area between the tire and the road is roughly the size of the palm of your hand, and the greater the grip at these four small areas, the more effectively a vehicle can stop, turn and accelerate.

Volvo Winter Wheel Kits are the key advantage that maximize this grip. They have been designed to work harmoniously with all the driver support systems in your Volvo, and they provide the best winter driving safety, combined with maximum comfort and handling.
THE TOUGHEST OF TESTS
IN THE HARSHEST CONDITIONS

How do we know that Volvo approved winter wheels are the best choice for your car? Coming from Sweden, we know a thing or two about taming snow and ice! Every year, we perform comprehensive tests of winter tires in Lapland, Sweden. Located north of the Arctic Circle, winter conditions here are ideal to test the performance of our Winter Wheel Kits.

The cars are first evaluated on a 12-kilometre test track, where drivers test and rate the performance of various tires. They review how tires handle on snow, in curves, and on slippery surfaces. They listen and feel for noise and evaluate comfort. They test stability when driving on snowy tracks and ruts in the road.

A handling test is then performed on a specially prepared ice track. This test has several different handling evaluations built in, such as driving through corners, braking, and quick side-to-side maneuvering. Based on the outcome of these tests, Volvo selects the best tires for our Winter Wheel Kits to ensure that you – as a Volvo driver – always get the ideal winter tires for your specific car.

WHY USE VOLVO
WINTER WHEEL KITS?

• Rubber that remains flexible below 7°C
• An optimized tread pattern for winter driving
• Superior grip versus all-season tires
• A design and style that matches your Volvo
• Volvo genuine wheels that fit your car perfectly
• Tested and approved tires, designed to let you get the most out of your car

“The human experience is central”
Hans Bäckström, Vehicle Dynamics Manager at Volvo Car Corporation

When it comes to testing tires, the human experience is central. We can measure lateral acceleration, grip levels, brake distances, all those sorts of things – that assessment can only be made by an experienced test driver.
THE DIFFERENCE IS CLEAR

From 80 km/h, here’s what our test revealed:

• The all season tire needed 33% more distance to stop vs. the winter tire.
• The summer tire needed 127% more distance to stop vs. the winter tire.

What we wanted to find out was this: if we take three identical Volvo cars, equip them respectively with winter, all-season and summer tires and let them brake at a speed of 80 km/h, what would the differences in stopping distance turn out to be?

THE RESULTS SPEAK FOR THEMSELVES

Summer tires and all-season tires begin to lose flexibility when temperatures drop below 7°C, which reduces their ability to grip the road surface effectively.

Winter tires, on the other hand, are made from special rubber compounds that stay soft and pliable to help generate traction. Winter tires also have special tread patterns designed for driving in winter conditions.

As you can see here, this makes a significant difference. The stopping distance of the Volvo equipped with all-season tires was 33% longer than for the one with winter tires, and the stopping distance for the car with summer tires was as much as 127% longer!
SAFETY TECHNOLOGIES DEPENDENT ON TIRE GRIP

WHY ARE TIRES SO IMPORTANT?
Simply put, tires are the contact points between the car and the road. This means that all of the car’s driving qualities, your driving habits and the road surface all interact in these four contact areas, each about the size of the palm of a hand. Since tires are the singular link between a car and the road, your vehicle’s safety systems can be compromised if the tires don’t do their job.
DESIGNED TO REINFORCE
THE CAR’S PERFORMANCE

ONLY VOLVO GENUINE WHEELS WERE DESIGNED EXCLUSIVELY
TO WORK WITH YOUR VOLVO

The tire and wheel form a complete unit. Having the right wheel is just as
important as having the right tire. This ensures that your car handles in an
ideal fashion. Volvo Genuine Wheels are designed and tested to ensure the
best quality and finish in every wheel. Further evaluations review conditions
such as snow packing on the inner surface which can cause unpleasant
vibrations and reduce stopping power.

Here are some of the requirements that we set to ensure that Volvo
wheels meet the highest standards:

• The correct mixture of alloy materials to promote optimal
  strength and durability.
• Advanced corrosion protection to ensure long lasting
  strength and durability.
• Perfect hub centring to ensure vibration free performance.
• Proper ventilation and heat conduction properties.
WINTER WHEEL KITS
2018/2019

17" PANDORA
VOLVO S60 / V60,
V60 CROSS COUNTRY / S60 CROSS COUNTRY

18" 5 Y SPOKE BLACK DIAMOND CUT
NEW VOLVO S60 / V60

18" 5-SPOKE SILVER
VOLVO XC40

19" POLESTAR PERFORMANCE
POLESTAR S60 / POLESTAR V60

18" 5-Y-SPOKE SILVER
NEW VOLVO XC60 MY18+

19" 10-SPOKE BLACK DIAMOND CUT
NEW VOLVO XC60 MY18+

19" 6-SPOKE TURBINE SILVER
VOLVO XC90 2016+

20" 10-SPOKE SILVER DIAMOND CUT
VOLVO XC90 2016+

18" 10-SPOKE TURBINE SILVER BRIGHT
NEW VOLVO S90 / V90

19" 10-SPOKE SILVER DIAMOND CUT
NEW VOLVO S90 / V90

18" 5-DOTBLE SPOKE SILVER DIAMOND CUT
VOLVO V90 CROSS COUNTRY

19" 5-DOTBLE SPOKE BLACK DIAMOND CUT
VOLVO V90 CROSS COUNTRY

THE PERFECT WINTER LOOK FOR YOUR VOLVO

Preview the look of your car with different wheels by using the Volvo Wheels App. Available on the App Store for the iPhone and iPad.

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