



WINTER WHEEL KITS FOR YOUR VOLVO

2017/2018



WINTER WHEEL KITS, TESTED AND APPROVED BY VOLVO

Your Volvo Retailer has an 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. For over 90 years, Volvo has led the automotive industry in the development of safety innovations. 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- 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 avoid 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 in 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 the car 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 the ultimate in comfort and handling.

WINTER TIRES TESTED IN LAPLAND, SWEDEN

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.

Cars are first tested on a 12-kilometre test track, and the drivers test and rate the performance of various tires. They review how they handle on snow, in curves and on slippery surfaces. They listen and feel for noise and evaluate their comfort. They test stability when driving on snowy tracks and ruts in the road. Then, a handling test takes place 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 should I buy a Volvo Winter Wheel Kit?”

It's as natural as having shoes in the summer and boots in the winter.

1. APPROVED TIRES. Volvo has selected and approved the right tires for your car to provide you with superior winter driving performance. We have combined them with Volvo Genuine Wheels designed to offer the quality and durability that only a genuine Volvo part can offer.

2. EXTENSIVE TESTING. Volvo Winter Wheel Kits have been extensively tested by Volvo in harsh winter conditions to meet our high standards for performance and durability.

3. COMPLETE KITS. We can recommend a complete kit that is best suited for your specific Volvo model, driving style and design taste.

4. CONVENIENCE. The combination of an approved tire and genuine Volvo wheel, bundled as a ready to install kit means that changing over your wheels seasonally is convenient and easy.

“Why should I buy winter wheels in the first place? Why not drive with the same tires all year around?”

5. IT'S ALL ABOUT GRIP. Safety and security was part of your decision to purchase a Volvo. Using summer or all-season tires in the winter compromises the effectiveness of many driver support features which rely on tire grip to avoid a collision.

6. DIFFERENT CONDITIONS. Unlike summer tires, winter tires remain soft and flexible when the temperature drops below 7°C. The tread pattern is designed to provide better grip on ice and snow and to evacuate water and slush away from under the tire.

7. STORAGE. Your Volvo retailer can store the wheels for you when not in use*.

YOUR VOLVO WAS ENGINEERED WITH TIRE GRIP IN MIND

At Volvo Cars, our engineers consider how tires influence the dynamics of the car. They then design driver support systems to best utilize the grip the tires provide. The conclusion of this design effort is simple: To design a car to work in different weather conditions, requires different tires suitable for these conditions.



2017 XC90 shown with 20" 10 spoke silver diamond cut alloy wheels.



TIRES DESIGNED FOR WINTER WEATHER

As natural as changing your shoes to boots in the winter, the tires on your Volvo should be changed to suite the conditions too.

It is important to make sure that your tires can provide effective grip during the different seasons of operation. Volvo recommends two different sets of wheels and tires, as tires best suited for warm and dry conditions don't perform well in cold and snowy conditions.

Tires designed for winter weather are made from special rubber compounds that stay soft and pliable to generate good traction. At 7°C, summer/all-season tires begin to lose flexibility. This reduces the contact surface and decreases the grip the tire can offer. Even when there isn't any snow on the roads, tires designed for winter weather offer significantly better grip when the temperature dips below 7°C.

The correct rubber composition is not enough on its own. Winter tires have special tread patterns better suited for driving in the conditions found on winter roads. Special grooves allow snow, slush and water to evacuate from under the tire, drastically improving grip. Small sipes allow the rubber to flex, improving grip on wet ice.

All-season tires are always a compromise, where neither the rubber compound nor the tread pattern can be optimized for ideal traction. It is because of this that Volvo recommends that you keep two specialized sets of wheels and tires for your car. It's as natural as changing your shoes to boots in preparation for winter.

LOOKING GOOD ALL YEAR ROUND

Preparing the car for winter shouldn't mean a down-grade in the look of your car. Volvo Genuine Wheels are designed to blend harmoniously with the design of your Volvo. The range of complete wheels makes it possible for you to style your Volvo for the winter with beautifully designed wheels.

Replacing only the tires seasonally reduces convenience.

The process of replacing just the tires takes more time, making the seasonal changeover less convenient for you. Additionally, during the removal process, there is the potential to stress the bead of the tire, increasing the risk of air leaks and poor performance. We recommend having a separate set of wheels and tires for your winter tires- to ensure the highest convenience and the best performance for you and your Volvo.



THE BEST ALLOY WHEELS FOR 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 the car handles in an ideal fashion. Volvo Genuine Wheels are designed and tested to ensure the best quality and finish is present 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:

CORRECT MIXTURE OF MATERIALS

The material in Volvo's wheels consists of a mixture of several different metals that create a strong and durable alloy. Durability is of paramount importance as wheels made from an inferior material can easily crack on contact with a curb or pothole. The ideal wheel combines light weight with high strength, but this is hard to achieve without using the perfect alloy.

VENTILATION AND HEAT CONDUCTION

Volvo requires that each individual wheel promote proper ventilation and heat conduction properties to avoid compromising key safety functions. Particular attention is paid to the cooling of the brakes which can rise quickly, especially when the ABS or ESC systems are activated. Brakes operating with elevated

temperatures can result in a significant reduction in braking performance and capacity, making necessary the need for the wheel to support effective cooling function.

ADVANCED CORROSION PROTECTION

Several aftermarket wheels have poor corrosion protection, which means they quickly become unattractive in winter conditions. If left unrepaired, these wheels can also become structurally unsound. Volvo uses multiple coats of paint with a clear coat as the surface layer to provide effective protection against the corrosive effects of de-icing salt. Wheels are designed without 'sharp' edges to ensure that the paint and the clear coat have good adhesion to the wheel. All wheels are pretreated in an anti-corrosion solution as a foundation for increased corrosion protection.

HUB CENTRING FOR OPTIMUM BALANCE

Aftermarket wheels often have to suit several car brands so they are not designed uniquely for your Volvo. Using either an adapter ring or the bolts as the centering solution often results in a wheel that isn't perfectly mated to the hub, and is hard to balance. This imperfection can lead to uncomfortable vibrations, and if severe, can reduce braking performance. Volvo wheels center perfectly against the hub mating surface with high precision and a low tolerance for run-out and uniformity. This results in superior wheel balance and smoothness.



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



18" PAN
VOLVO XC60 -17



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-DOUBLE SPOKE SILVER
VOLVO V90 CROSS COUNTRY



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



MICHELIN WINTER TIRES

The Michelin X-Ice tire provides the ultimate in winter confidence over many kilometres, enabling you and your passengers to fully embrace winter, even in the harshest conditions.



PIRELLI WINTER TIRES

The ideal choice for high-end vehicles, Pirelli Winter tires balance performance, safety and respect for the environment. The tread pattern effectively expels water and the rigid and spaced blocks, ensures high levels of grip on snow.



V O L V O

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