

Winter Without Compromises: New Conti Scandinavia Tire Family Now Complete

- **Generation 3 winter tires for safe driving in wintry road conditions**
- **Winter range now complete with addition of 22.5-inch tire**
- **New technologies and special winter compound deliver excellent grip**
- **Advances in mileage, rolling resistance and safety**

Hanover, February 08, 2021. Rain, slush, ice – European winters have become unpredictable, so for trucking companies it is particularly important to choose the right tire concept. The new Continental winter tires play a major part in improving road safety and in enabling drivers to deliver the goods on time, even in extreme winter weather. This also makes them a key factor in the commercial success of logistics firms.

Companies with trucks operating across Europe have to contend with topography and weather conditions that place very different demands on their tires. Widely varying assignments on wintry roads – complete with snow and ice, dry and wet sections – pose major challenges for drivers, trucks and tires.

These requirements were the focal point for Continental's expert tire developers as they engineered the latest winter tire generation. The outcome is the new product line from the Scandinavia family, now completed by the addition of a 22.5-inch tire. This product line not only meets the requirements of a specialist for extreme winter applications but also checks all the boxes as a winter all-rounder. As a result, the Generation 3 Conti Scandinavia HS3, HD3 and HT3 tires are well equipped to make a key contribution to the operational safety of vehicles in an extremely wide range of road and weather conditions.

The mileage of the Conti Scandinavia HS3 has been increased by as much as 10 percent over that of the Generation 2 and fuel efficiency has been improved by up to 5 percent. The new Conti Scandinavia HD3 offers very good traction in snow and excellent wet grip.

High-performance products to meet higher customer expectations

The new Generation 3 winter tire unites decades of development experience and extensive expertise in winter performance. “As our customers face tougher market demands, they expect us to deliver higher-performance products,” says Hinnerk Kaiser, Head of Tire Development at Continental. “For the Generation 3 winter tires we pooled our tire expertise and brought new technologies into play in order to push the performance envelope.” As a result, the new Scandinavia product line plays a decisive part in increasing driver safety and helps keep the vehicles running smoothly even in extreme conditions. These winter tires offer all the necessary traction without compromising on mileage and service life.

New technologies and optimized compounds

The advances in this winter tire range have been achieved in many different ways: “We decided to use a higher natural rubber content so as to further improve rolling resistance and maximize flexibility in low temperatures,” explains Kaiser. This new winter compound offers very good traction in exacting winter conditions. The two-stage siping technology increases safety and optimizes rolling resistance. And the compound ratios are designed to give the tires better wear properties, enabling them to deliver higher mileage over a longer service life.

Safe driving on wintry roads: The products in detail

The Conti Scandinavia HS3 offers maximum steering stability and optimal water drainage at the steer axle thanks to pocket sipe technology. The innovative pattern design features a large number of sipes for optimal traction on wintry roads. Stone trapping is minimized by the pattern geometry, with beveled flanks set at different angles.

The Conti Scandinavia HD3 new drive axle tire rises to numerous challenges posed by wintry roads: reliable power transmission to the road, directional control through corners and the ability to transfer the full braking power generated by the truck’s service brake or retarder. Key to achieving these goals is the new pattern geometry. The longitudinal groove prevents stone trapping through a zigzag arrangement with beveled flanks set at different angles. And beveled edges make for a more stone-resistant design. As a result, this tire delivers the best possible traction and brake force transmission with no compromises.

The Conti Scandinavia HT3 features innovative siping technology, which delivers a high level of safety. Pocket sipes provide good stability in turning and braking maneuvers, while the tire’s wide shoulders safely withstand strong lateral forces.

From winter expert to all-season player

Over the course of its usage cycle, the new Conti Scandinavia Generation 3 transitions from a winter specialist into an all-season tire. As the tire's winter tread wears down, its two-phase tread design provides a much higher tread area in the summer – with direct benefits in terms of directional stability. With their lower rolling resistance and two-phase tread design, the new Scandinavia winter tires also shine when it comes to fuel consumption. And a further increase in total mileage means a marked drop in operating costs. The innovative casing technology of these tires means they can also be retreaded, thereby reducing their environmental impact.

Important changes to winter tire recommendations in Europe

The current regulations in Germany for winter road use stipulate tires with the 3PMSF (3-peak mountain snowflake) symbol on the drive and steer axle. In Austria this applies for at least one drive axle, although tires with the M+S symbol are also permitted. Here, cross-ply tires must have at least six millimeters of tread depth remaining, radial tires at least five millimeters. When driving into or through Switzerland, local regulations on tires must be observed. As a general rule, only 3PMSF tires are considered suitable for winter road conditions here.

Across Europe the minimum tread depth for winter tires is 1.6 millimeters. The recommended depth is 4 millimeters. In Norway 3PMSF winter tires are mandatory on the drive axle and front steer axle (M+S or 3PMSF tires on all other axles). Use of winter tires is compulsory from November 15 – March 31, in Slovenia until March 15.

Continental provides an overview of the current regulations for winter tires at <https://www.continental-tires.com/transport/knowhow/european-winter-regulations>

The new Conti Scandinavia HD3 steer axle tire is available in the following sizes: 295/80 R 22.5, 315/80 R 22.5, 315/70 R 22.5, 385/65 R 22.5, 385/55 R 22.5.

The new Conti Scandinavia HSR drive axle tire is available in the following sizes: 295/80 R 22.5, 315/80 R 22.5, 315/70 R 22.5.

The new Conti Scandinavia HT3 trailer tire will be available from June 2021 in the following sizes: 385/65 R 22.5, 385/55 R 22.5.

Continental develops pioneering technologies and services for sustainable and connected mobility of people and their goods. Founded in 1871, the technology company offers safe, efficient, intelligent and affordable solutions for vehicles, machines, traffic and transportation. In 2019, Continental generated sales of €44.5 billion and currently employs more than 233,000 people in 59 countries and markets.

The **Tires business area** has 24 production and development locations worldwide. Continental is one of the leading tire manufacturers with more than 56,000 employees and posted sales of €11.7 billion in 2019 in this business area. Continental ranks among the technology leaders in tire production and offers a broad product range for passenger cars, commercial and special-purpose vehicles as well as two-wheelers. Through continuous investment in research and development, Continental makes a major contribution to safe, cost-effective and ecologically efficient mobility. The portfolio of the Tires business area includes services for the tire trade and fleet applications, as well as digital management systems for tires.

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