

GENERATION 3

WHEEL BEARINGS

Generation 3 wheel bearings are the latest advancement in wheel bearing technology, combining advanced materials, better sealing, and integrated sensors. They are designed to offer even better performance, durability, and integration compared to earlier generations.

Generation 3 bearings feature two flanges: one serves as the wheel hub, while the other secures the bearing unit to the axle carrier.



MAIN FEATURES

Integrated Hub Assembly

Like Generation 2 bearings, Generation 3 bearings often come as fully integrated units that include the bearing and hub. This simplifies installation and ensures precise alignment.

Advanced Sealing

Generation 3 bearings feature high-quality, advanced seals that provide superior protection against moisture and contaminants, helping extend the life of the bearing.

Built-In Sensors

Some Generation 3 bearings feature built-in sensors that monitor parameters including wheel speed for vehicle systems such as the anti-lock braking system (ABS) or traction control, helping improve safety and performance.

HOW THEY WORK

Complete Unit

The pre-assembly of the bearing and hub designed as a single unit helps achieve better accuracy and reliability.

Smooth Rotation

The advanced ball bearings or rollers inside the assembly allow the wheel to rotate smoothly and handle high loads with minimal friction.

Enhanced Protection

The improved seals in Generation 3 bearings are more effective in protecting from contaminants, ensuring the bearing performs well for a longer duration.

Sensor Integration

Built-in sensors can provide real-time data to vehicle systems for improved safety and performance.

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