

FAQ

- **What wheel sizes are offered by Black Rhino Truck custom wheels?**

We offer Truck wheel fitments in sizes 20x9.5, and 22x9.5 in all styles.

- **What is a load rating?**

A load rating refers to a maximum allowable weight that a given wheel has been tested and rated at. All wheels can be rated differently, for instance the wheels on a passenger car will require a smaller load rating than the wheels on a heavier SUV. A vehicle manufacturer will give a standard GVWR (Gross Vehicle Weight Rating) to each of its vehicles. This rating is the maximum allowable weight for a fully loaded vehicle which includes passengers and extra equipment. At that point each of the wheels is tested and rated according to the GVWR of all the vehicles they were meant to be mounted on.

- **What is an offset and why does it matter what offset I use?**

The offset is a vital technical aspect of your wheel and your car.

- **How do larger wheels affect the handling of my vehicle?**

The handling can be improved by running larger wheels on your Truck. Generally larger Truck wheels mean that you will run a lower profile tire and usually a wider tire. The low profile tire often performs better when cornering and braking, as tire roll is greatly reduced.

Extremely large wheels are heavier and can increase braking distances. However, Black Rhino will always endeavor to keep the wheels as light as possible without compromising the strength of the wheel.

- **What is the largest lip available on a Black Rhino wheel?**

The Black Rhino Glamis has a 6.0 inch lip.

- **Can I use the original truck center cap?**

Yes. Black Rhino Truck Rims will accept the factory cap.

- **What is the warranty on Black Rhino Wheels?**

With regular care and regular road conditions, Black Rhino offers a one year finish warranty on its wheels with chrome and painted finishes. Black Rhino provides a lifetime structural warranty for wheels it manufactures that are structurally unsound because of a manufacturing defect caused by Black Rhino that makes the wheel unfit for its ordinary purpose. Damage or issues with wheels manufactured by Black Rhino that are not caused by, or the result of, a manufacturing defect by Black Rhino are not covered under the warranty. Additionally, the following are expressly excluded from the warranty:

- Black Rhino does not offer a "road hazard warranty," so any damage or issue with a wheel caused by the wheel colliding with a pothole or any other object or debris will not be covered by the warranty;

- Wheels that have been used in racing are not covered by the warranty regardless of the damage or structural unsoundness; and
- Wheels mounted on vehicles with a load rating in excess of the load rating of the wheel are not covered by the warranty regardless of the damage or structural unsoundness.
- Wheels that have been modified, repainted, or powder coated.

THE WARRANTY ONLY APPLIES TO THE ORIGINAL PURCHASER OF A WHEEL AND THE WARRANTY IS LIMITED TO THE ACTUAL AMOUNT BLACK RHINO WAS PAID FOR THE WHEEL.

To submit a wheel for determination of coverage, a distributor must first obtain a Returned Goods Authorization number from an authorized Black Rhino salesperson. Wheels sent to Black Rhino without first obtaining a Returned Goods Authorization number will be refused and returned to sender. After obtaining the Returned Good Authorization number, **THE DISTRIBUTOR WHO PURCHASED THE WHEEL FROM BLACK RHINO** must send the wheel by freight prepaid, as freight costs, shipping costs and any consequential damages are not covered by the warranty, to Black Rhino headquarters in Brea, California for inspection by Black Rhino. The invoice of the original purchase must be included with the wheel so Black Rhino can verify the wheel is being submitted for coverage under the warranty by the original purchaser. A customer of a distributor cannot directly send a wheel for inspection to Black Rhino as Black Rhino does not communicate, correspond or deal in any way with the customers of Black Rhino's distributors. A wheel submitted to Black Rhino by a customer of the distributor will be returned.

After receiving a wheel submitted by a distributor for inspection, Black Rhino will inspect the wheel and notify the distributor if the wheel is covered by the warranty. If Black Rhino determines the wheel is covered by the warranty, Black Rhino will issue a credit note to the distributor for the amount the distributor paid Black Rhino for the wheel.

How does track use affect my wheels?

Following these next procedures for track driving will help to minimize wheel wear and the possibility of wheel failure.

Pre-track wheel checks

It is important to understand that track use or engaging in racing will void any warranty on Black Rhino product.

First and foremost, check that the wheel installation hardware is correct for your wheels and make sure they are in good condition. All Black Rhino alloy wheels offered are designed to be hub-centric which means that the load is transferred from the center of the wheel. This greatly improves the distribution of force while track driving. In some scenarios this will require a hub-centric ring. If this is the case, always inspect the condition of the hub-centric rings and make sure they are installed correctly in the wheel. Also make sure that the hub-centric ring is the correct diameter for both the wheel bore and the hub-bore of your vehicle.

With regards to wheel lug nuts and bolts, aftermarket wheels will generally require a non OE style lug nut or bolt. Because of this it is critical to make sure the lug has sufficient thread engagement in relation to the wheel, and vehicles mounting hub. You want to make sure that the lug nut does not bottom out on the vehicle stud. If they do, the wheel will require a longer lug nut. Confirm the length of the lug nuts have sufficient engagement, however you do not want too much. When the lug bolts are too long they can interfere with the parking brake or other components on the inner side of the vehicle hub.

With all the hardware confirmed, it's time to mount your Black Rhino wheels! When installing on the vehicle, it is recommended to use a star tightening pattern (see diagram), and make sure the proper torque amount is reached for your vehicle.

Post track wheel checks

Now that you have gone through the rigors of the track, it is good to allow the wheels to cool down. Once they have cooled, wash the wheel front and back. Then visually inspect the wheel for any cracks or damage from impact. If any cracks or bends are noticed, remove and replace the wheel to avoid any significant failures in the future.

Checking for excessive wheel run-out is important, although visually this can be harder to notice. When you are mounting new tires, it is good to check the wheel for run-out. Many experienced tire installers now have sophisticated machinery to laser check run-out. If the run-outs are excessive it is recommended to remove and replace the wheel.

Wheels are an important safety feature of your vehicle and performing pre and post track wheel checks can greatly reduce the event of wheel failure. Over time if cracks or damage go unchecked, they will create weak spots. These weak spots end up getting exacerbated by more heat and the g forces of track driving which can lead to complete wheel failure.

Being proactive about inspecting your Black Rhino wheels will help to prolong their life, and will keep you shaving seconds on the track.