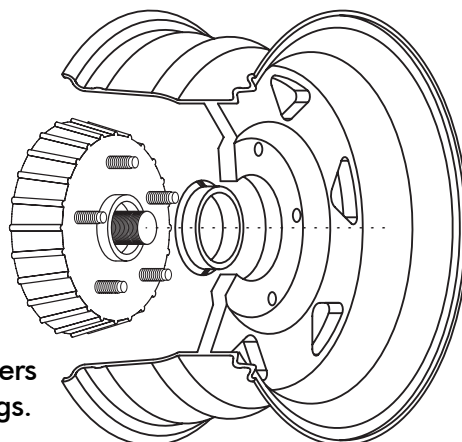


# HUB CENTRIC RINGS

## HUB CENTRIC WHEELS AND HUB CENTRIC RINGS

### WHAT IS THIS ALL ABOUT ?



We thought you might like to know what various manufacturers and tire dealers are asking about hub centric wheels and rings.

**Q:** *Exactly, what does hub centric mean?*

**A:** Hub centric wheels are manufactured so that when they are installed on a vehicle, the wheels are located directly off of the center flange of the brake drum or rotor.

This is done to insure that the outer beads of the wheel are concentric with the wheel bearings. The result is a much truer, better balanced tire/wheel assembly. This is very important with modern hightech suspension systems.

**Q:** *What about the phrase "Lug Centric"? Isn't it just as good?*

**A:** NO! Lug centric is a marketing phrase made up by the few manufacturers who don't offer hub centric wheels. Their theory is that if the wheels are drilled for conical seat lug nuts, then the wheels will self locate.

Surveys have shown that most installers just hang the wheel/tire combination on the studs and put on the lug nuts expecting the angle of the conical seat to pull the wheel/tire combination into concentricity.

Recent tests by several major wheel manufacturers have shown that when the above mentioned mis-locating occurs the studs actually bend down slightly thus creating an artificial out-of-round condition by as much as .0025

Consequently the custom wheel often gets a bad rap because of a poor installation job. Hub centric wheels or hub centric rings will correct this situation.

**Q:** *OK! I'm convinced that hub centric location is the way to go, so why not just use wheels that are already machined hub centric?*

*Why bother with hub centric rings?*

**A:** **INVENTORY FLEXIBILITY.**

Wheels drilled in a 4 x 100 bolt pattern fit 23 different brand name cars, but require 7 different bore sizes.

Wheels drilled in a 4 x 4.50 bolt pattern fit 12 different brand name cars, but require 6 different bore sizes.

Wheels drilled in a 5 x 100 bolt pattern fit 12 different brand name cars, but require 4 different bore sizes.

Wheels drilled in a 5 x 4.50 bolt pattern fit 20 different brand name cars, but require 9 different bore sizes.

By Stocking wheels that are machined hub centric to a specific bore size, it would require that you stock **26 different wheel part numbers** in each different wheel rim diameter size to get the coverage of these 67 applications.

If you use wheels which are machined for use with hub centric rings, you can get the same coverage with only **4 wheel part numbers.**

**Q:** *Which ring should I use, those hi-tech looking aluminum rings or the composite Polycarbonate plastic?*

**A:** While aluminum rings look Hi-Tech, they actually are not as good as the composite Polycarbonate plastic rings.

The drum or rotor snout of most vehicles are made of cast iron, so when a raw aluminum ring is placed directly against it and even a small amount of moisture gets in, corrosion occurs almost immediately, making it very difficult to get the wheel off of the car.

The composite Polycarbonate material acts like an "O"-ring, eliminating this common problem.

**Q:** *What hub ring sizes are available for various wheels and bores?*

**A:** Application information is provided on the following pages.

**Prestige**  
**WHEEL ACCESSORIES**

**(800) 854-6770 (877) LUG-NUTS**

(714) 841-6333

Fax: (714) 841-6413

5 8 4 - 6 8 8 7

M-F 7:30AM - 4:30PM CALIF TIME

# HUB CENTRIC RINGS

## PLEASE READ THIS FIRST!

When dealing with hub-centric rings it is important to visualize that a hub-centric ring is basically a reducer bushing.

These hub rings are designed to reduce the aftermarket wheel bore size from its current size to the O.E. bore size of the car you are trying to fit.

As manufacturers often make changes in their production system, we cannot absolutely guarantee the information we have provided on the following pages.

The information provided was collected from various dependable sources within the tire and wheel industry along with information supplied by O.E automobile manufacturers when possible.

This information is provided as a general guideline and should never be taken as absolute fact. When in doubt, you, the installer or user, must verify all information on the application in question.

**Our policy on hub ring orders is as follows:**

It is your responsibility to choose the correct ring for your particular application. Should the hub rings you choose prove to be inadequate for your needs, Prestige Wheel Accessories is under no obligation to take them back.

**You purchased them, you own them.**

## THINGS TO CONSIDER

Manufacturers do make running changes during a model year and sometimes these changes affect wheel and tire sizes or attachment hardware.

Most automobile manufacturers offer some models with optional wheel and or tire combinations.

**When in doubt check the specific vehicle in question.**

Automobile manufacturers sometimes offer some special limited edition models with special wheel and or tire combination.

**When in doubt check the specific vehicle in.**

Sometimes automobile manufacturers make the same model vehicle in more than one factory location. We have seen cases where vehicles made in different factories use different wheel and tire combinations or attachment hardware.

**When in doubt check the specific vehicle in question.**

## How to correctly order hub centric rings:

- STEP 1** Determine the center bore size of the aftermarket wheel you plan to install.
- STEP 2** Look up the vehicle you are trying to fit in the application information guide on pages #70 - #81.
- STEP 3** After finding the correct vehicle, note the "wheel I.D. hub bore" of that vehicle.
- STEP 4** Now with...the O.D. (the bore size of the aftermarket wheel) And... the I.D. (the O.E. locating flange size of the vehicle)
- Turn to our "hub ring list" on page #68 - #69 to find the part number you need.
- STEP 5** Call us toll free at 1-800-854-6770 and place your order.

**REMEMBER...** you need to know the following facts to order the right hub centric ring:

**1. From: the aftermarket wheel information**

manufacturer \_\_\_\_\_

center bore size \_\_\_\_\_

**2. To: the vehicle information**

year \_\_\_\_\_

make \_\_\_\_\_

model \_\_\_\_\_

hub locating flange size \_\_\_\_\_

