



Dexstar Wheel Company

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Customer Advisory – Wheel Matching

The diameters listed below represent the recommended sizes for wheel mounting faces. The dimensions indicated are for the flat contact surfaces that interface with the hub.

Wheel bolt pattern	Recommended diameter
4 on 4.0"	5.50"
5 on 4.5"	6.50"
6 on 5.5"	7.40"
8 on 6.5"	8.25"

Improperly clamped wheels may loosen and could come off unexpectedly while traveling, resulting in a dangerous situation. Dexstar recommends that wheel fasteners be checked frequently and retorqued to the appropriate level as needed.

Also of vital importance is understanding the different wheel clamping systems. Smaller steel wheels up to and including some 16" varieties are normally stud piloted and will typically use a 60-degree cone nut. The cone portion of the nut mates to a matching cone seat in the wheel center. These are generally 1/2"-20 or 9/16"-18 thread sizes. There are some larger wheels that are designed to be clamped with 5/8" nuts featuring a 90-degree cone seat. This type of wheel generally does not have a center hole that closely fits the hub.

90-degree cone nuts must NEVER be used in 60-degree cone seat wheels. The use of mismatched nuts will result in a loss of clamping force and can cause wheel run-off.

Larger wheels generally will be hub piloted and require either clamping rings with 90-degree cone nuts to attach them to the hub or they can be mounted with flange nuts directly on the wheel. The benefit of the clamp ring system is they require lower torque. Both of these mounting systems typically use 9/16"-18 or 5/8"-18 thread size. Hub piloted wheels require a close fit of the center hole to the hub.

Make sure you understand the requirements of the wheels and clamping systems that you specify for your vehicles. Misuse can result in costly and dangerous failures.

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