

# MEASURING A WHEEL

## BOLT PATTERN

Identifying the wheel you need begins with a variety of measurements. We have created this guide because fractions of an inch can make a big difference.

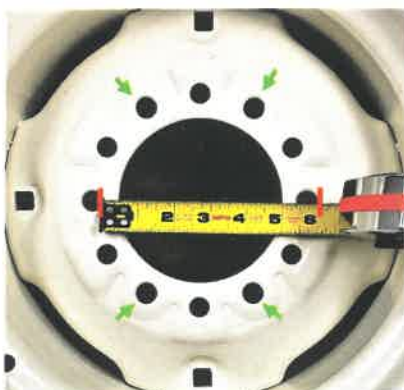
When determining exactly what wheel a customer is searching for, defining the bolt pattern is critical. There are instances when a model number has two different wheels due to a change in serial number break.

The bolt pattern is made up of the number of bolt holes and three center disc measurements – pilot hole diameter, bolt circle diameter and bolt hole diameter.



The pilot hole is the hole in the middle of the center. The diameter is a simple measurement from one side to the other. This pilot hole is 6 inches.

The bolt circle measurement is the distance from the center of one bolt hole to the center of the bolt hole directly across the pilot hole. You can also measure from the edge of the hole to the same edge on the hole across the pilot hole. That is how we measured this 8 Hole, 6" Bolt Circle wheel.



This wheel is an example of a 6 hole wheel that has 12 bolt holes. The 6 holes that are used to bolt the wheel to the hub are generally slightly larger and have a countersink. Measuring the bolt circle would be the same as the 8 hole wheel above. This wheel is a 6 Hole, 6 inch Bolt Circle wheel.

To measure the bolt circle of a 5 hole center place your tape measure at the center of one hole and measure to the outer edge of the bolt hole across the center. This center measures 5.5 inches.



A bolt hole diameter measured with a caliper results in a decimal measurement. A tape measure is more commonly used



and will result in a fraction of inches. These bolt holes both measure 11/16 inch.

Countersink, chamfer, tapered and coined are all words used to describe a 90° bevel on the bolt hole commonly used in ag wheels.



We use the term countersink which is also one of the center attributes used to identify the wheel.

The purpose of the countersink in the bolt hole is to help center the wheel on the hub.



## YOUR MEASUREMENTS

Pilot Hole \_\_\_\_\_ Bolt Circle \_\_\_\_\_

Bolt Hole Size \_\_\_\_\_ Countersink Yes / No

If you have questions call Ag Wheel Express 641-450-7090