

MEASURING A WHEEL

DIAMETER • WIDTH • FRONTSIDE • BACKSIDE

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.

Tire size is often the first question when looking for a replacement wheel, and although it is valuable information it doesn't define the wheel size. The easiest way to determine the wheel diameter and width is to look for a stamp on the rim/wheel. This is an example of a stamp for this 15" diameter, 8" wide wheel.



The diameter of the wheel is the distance from one side of the wheel to the other (outside) through the center point of the wheel.



Because measuring the outside is problematic the measurement is taken on the inside of the bead and an allowance must be made for the thickness of the rim. If the rim is 1/4" thick the diameter measurement would increase 1/2".



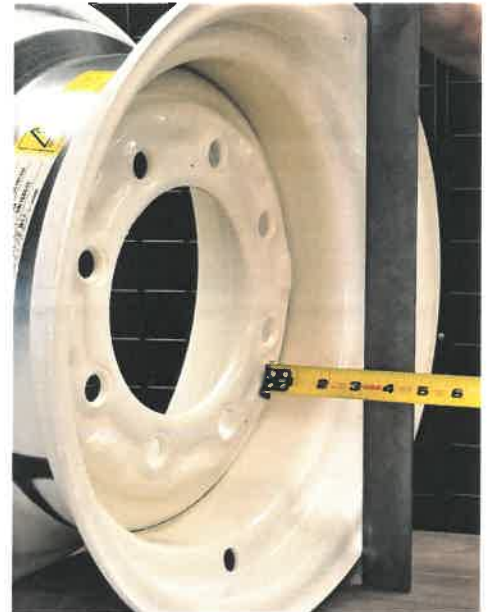
The overall width is measured outside the bead, but the width used to define the wheel size is measured inside the bead and is usually 1" smaller.

Caution: if a tire is mounted on the wheel you cannot rely on the tire size width to determine the rim width.

The backside measurement determines how close the wheel is to the equipment on which it's mounted. The greater the measurement the closer the wheel to the equipment. Measurements of backside + front side + center width equal the overall thickness of the wheel, approximately 9 inches for the wheel shown.

It is best to have the backside measurement to identify the wheel, but when it is mounted on equipment measuring the backside may not be possible.

To measure the front side hold a straight edge across the face of the center and measure the distance from the center to the straight edge. This front side is 3". If you have access to the backside, use the same measuring technique.



To determine the backside measurement, add the front side (3") and approximate center width (3/8") then subtract from the overall rim width of 9" leaving a backside measurement of 5-5/8".

YOUR MEASUREMENTS

Tire Size _____ Diameter _____ Overall Width _____

Width _____ Frontside _____ Backside _____

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