

How To Read Traditional Tire Sizing

25x8-12

The overall height of the tire when mounted and inflated to recommended air pressure. In this example the tire is 25 inches tall.

The overall width of the tire when mounted and inflated to recommended air pressure. In this example the tire is 8 inches wide.

The diameter of the wheel that this tire will mount to. In this case it will be a 12-inch diameter wheel.

How To Read Metric Tire Sizing

205/80R12

The width of the tire in millimeters when mounted and inflated to recommended air pressure. In this case it's 205 millimeters wide. Divide this by 25.4 to convert to inches. The result is 8.07. This rounds off to 8 inches.

The aspect ratio to the width of the tire when mounted and inflated to recommended air pressure. This specifies the sidewall height. In this case it's 80% of 205mm, which is 164. To convert the sidewall height to an overall diameter you must multiply that by 2 (which results in 328mm), then divide by 25.4 to convert to inches (which equals 12.913) and is then added to the wheel diameter (in this case, 12 inches). The result is 24.913 inches. This rounds off to 25 inches.

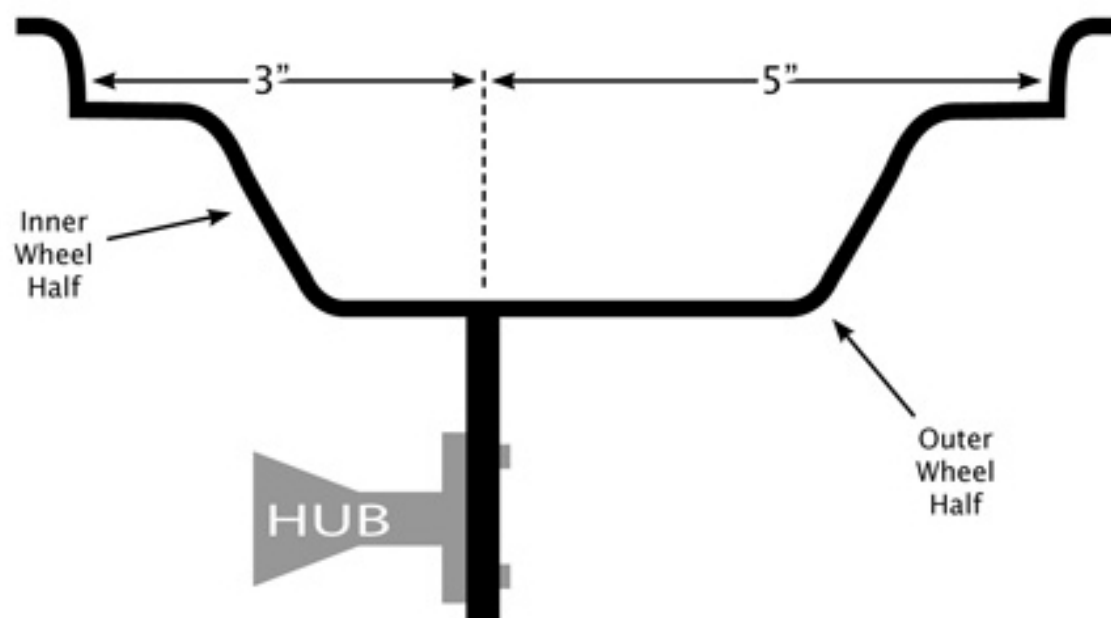
This indicates that the tire uses radial construction.

The diameter of the wheel that this tire will mount to. In this case it will be a 12-inch diameter wheel.

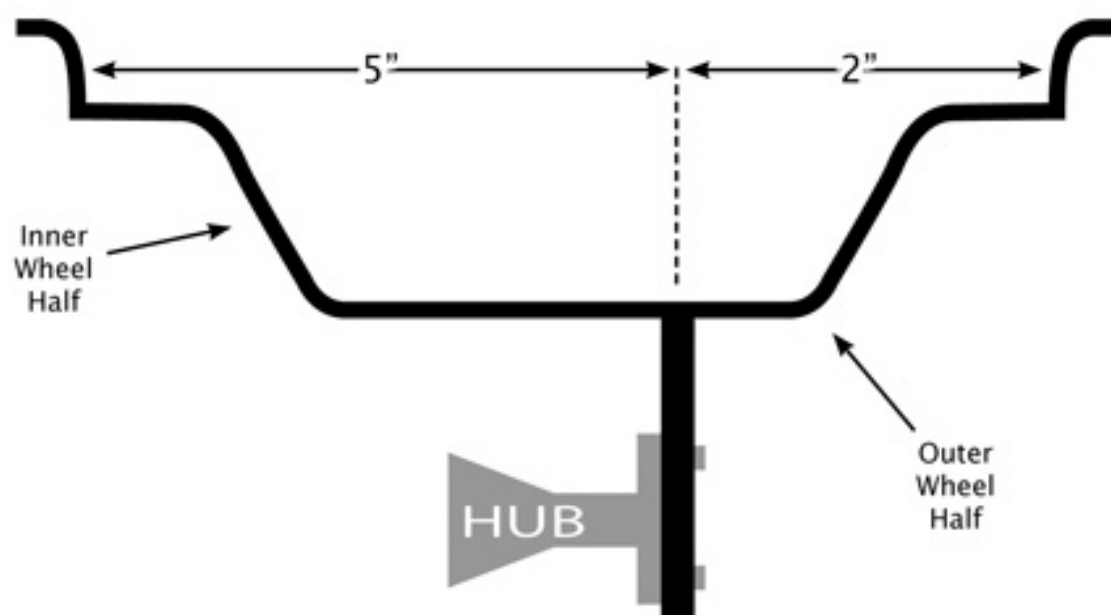
This converts to a traditional equivalent of

25x8-12

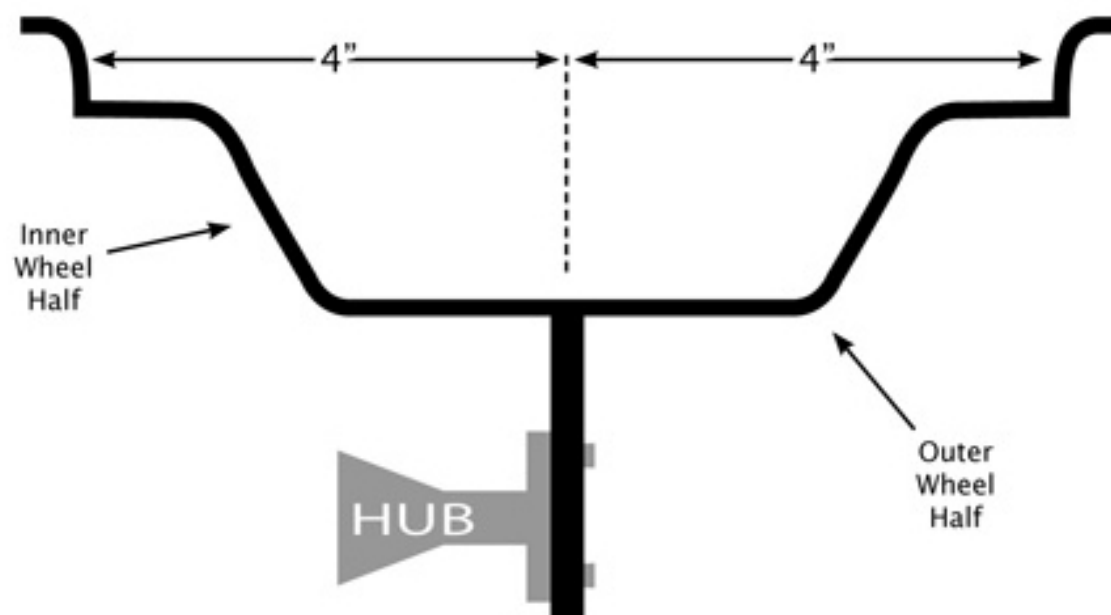
How To Read Wheel Offsets



Example:
8" wide wheel,
3+5 offset.



Example:
7" wide wheel,
5+2 offset.



Example:
8" wide wheel,
4+4 offset.

Additional Note: ITP's SS Alloy series of wheels have an "ET" cast into the back side of the spokes. Loosely translated from its German origins, this represents the "insertion depth" of the wheel, which is the offset of a wheel in distance from its hub mounting surface to the centerline of the wheel.

How To Read Wheel Sizing

8x8, 3+5, 4/110

The diameter of the wheel, also the inside diameter of the tire. Use an 8" wheel with an 8" tire.

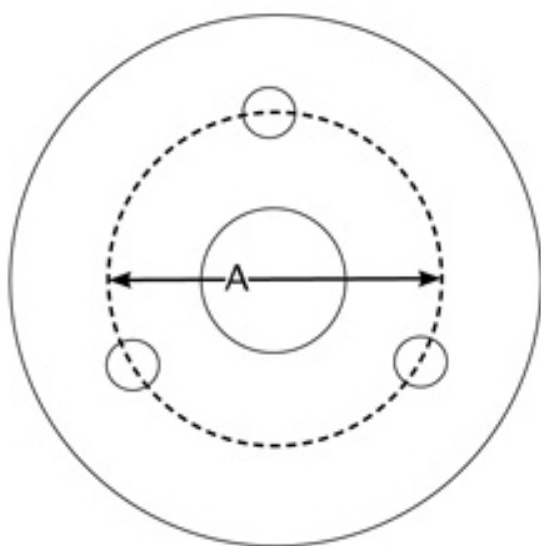
The width of the wheel.

An offset is indicated as, in this example, 3+5, meaning 3" off-center inside and 5" offset to the outside.

Number of bolt holes in the wheel.

Spacing of bolt holes (usually in millimeters). See below for measuring methods.

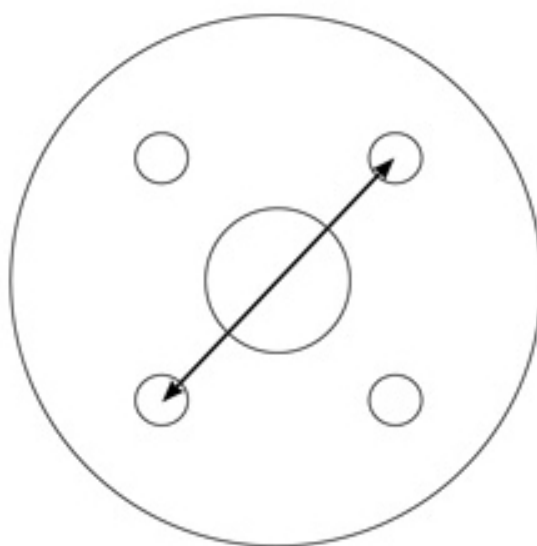
How To Measure Wheel Bolt Pattern



3-LUG:

Diameter of virtual circle passing through center of all three bolt holes.

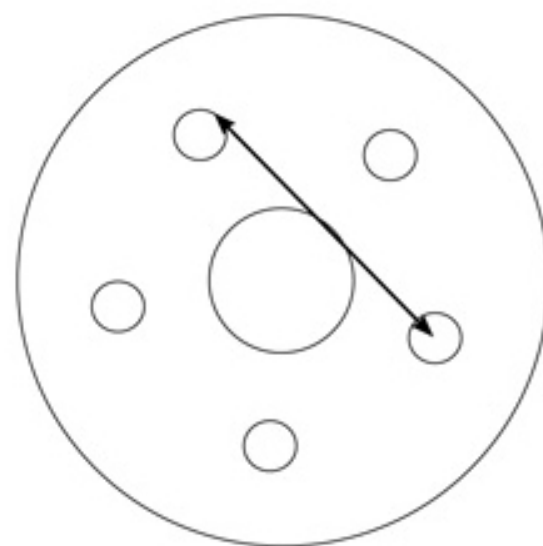
Example:
3/90 bolt pattern, when measurement A is 90mm.



4-LUG:

Middle of two holes directly across from one another.

Example:
4/110 bolt pattern, when indicated measurement is 110mm.



5-LUG:

Back of one hole to the center of the second hole.

Example:
5/110 bolt pattern, when indicated measurement is 110mm.