

Parts of a Wheel

TIRE

Definition: a rubber covering, typically inflated or surrounding an inflated inner tube, placed around a wheel to form a flexible contact with the road. Image Source: <http://pngimg.com/download/23388>



WHEEL

Definition: a circular object that revolves on an axle and is fixed below a vehicle or other object to enable it to move easily over the ground. The image to the right shows a wheel.



RIM OF A WHEEL

Definition: the "outer edge of a wheel, holding the tire". It makes up the outer circular design of the wheel on which the inside edge of the tire is mounted on vehicles such as automobiles. In the image to the right, the arrow points the rim of the wheel.

Image Source: <http://pngimg.com/download/23310>

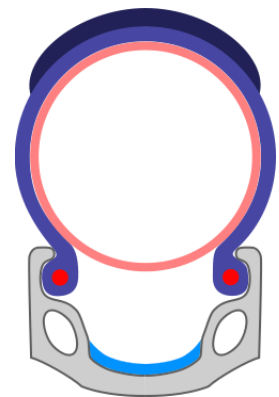


RIM

CROSS-SECTION

Definition: a surface or shape that is or would be exposed by making a straight cut through something, especially at right angles to an axis.

The image to the right shows a cross-section view of a bicycle wheel and tire. Image Source: https://commons.wikimedia.org/wiki/File:Bicycle-wheel_flat_but_reinflated.svg



TREAD

Definition: the thick molded part of a vehicle tire that grips the road.

The image to the right shows a tread pattern.

Image Source: <https://www.flickr.com/photos/craigsd/4613787625>



SIDEWALL

Definition: The side of a tire. This is the part that bridges between the tread and the bead. The arrow on right, shows the sidewall of the tire.



Image Source: <https://www.tirebuyer.com/education/tire-ply-rating>

HUB

Definition: the central part of a wheel, rotating on or with the axle, and from which the spokes radiate.

The image to the right shows a hub of a bicycle.

Image Source: https://commons.wikimedia.org/wiki/File:Nabe_01_KMJ.jpg



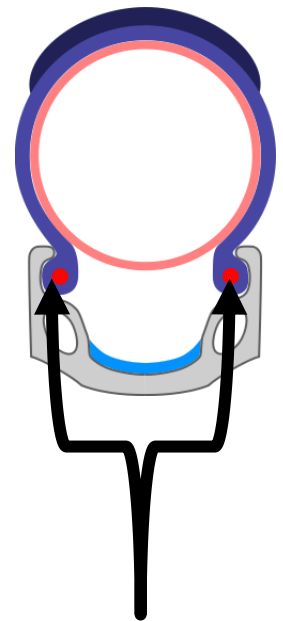
TIRE BEAD

Definition: the edge of a tire that sits on the wheel

Wheels for automobiles, bicycles, etc. are made with a small slot or groove into which the tire bead sits. When the tire is properly inflated, the air pressure within the tire keeps the bead in this groove. - Wikipedia

The cross-section view to the right has the tire bead labeled.

Image Source: https://commons.wikimedia.org/wiki/File:Bicycle-wheel_flat_but_reinflated.svg



TIRE BEADS