

Presta valve

From Wikipedia, the free encyclopedia

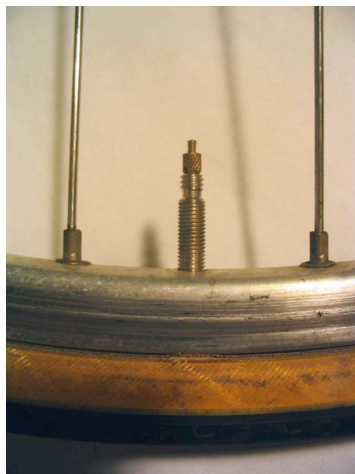
The Presta valve (also called Sclaverand valve or French valve) is a valve commonly found in high pressure road style and many mountain bicycle inner tubes. It is also now used on all tubeless bicycle rims. It comprises an outer valve stem and an inner valve body. A lock nut and a valve cap may also be present.

The outer valve stem is manufactured in various lengths for different applications, and has a narrower diameter than the Schrader valve, which helps strengthen narrow rims because the weakest point of a bicycle rim is usually the valve hole.

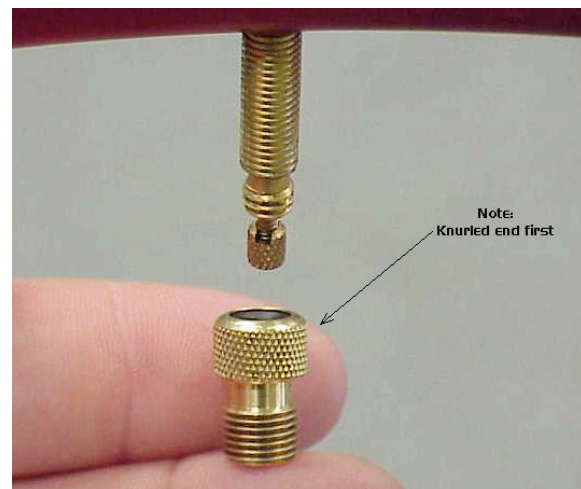
The air pressure in an inflated tire holds the inner valve body shut. A small screw and captive nut on the top of the valve body permits the valve to be screwed shut and ensure that it remains tightly closed. The nut must be unscrewed to permit airflow in either direction (this must be done before attaching a pump). The screw remains within the valve body even after it is unscrewed; unscrewing the valve permits the plug to move up and down within the valve body.

The valve cap protects the valve body, and also prevents the valve from damaging the tube when it is rolled for storage, but is not necessary to prevent pressure loss.

The standard Presta valve has an external thread. An adaptor can be fitted onto this external thread to permit a Presta valve to be connected to a Schrader chuck. (All TerraTrikes ship with an adaptor)



A closed Presta valve shown in context of the rim, spokes, and tire of a bicycle wheel.



Installation of the Presta valve adapter included with all TerraTrikes.