



## IS 2061:1995 Bicycle - Front forks – Specification

A **bicycle front fork** is the component that holds the **front wheel** and connects it to the **frame**. It plays a crucial role in **steering** and **stability**. The **forks** can be made of **various materials** and have **different geometries** affecting **weight, ride quality, handling, and comfort**.

Indian Standard for Bicycle Front Forks was first published in 1962. Thereafter, the Standard was revised in 1995.

The Standard covers the requirement for **front forks** used in **4 sizes of bicycles** namely, **45, 50, 55, and 60**. The Standard specifies the requirements for **fork columns, fork blades, fork liners** that shall be used in the making of **bicycle forks**.

The standard has prescribed the following acceptance tests on the bicycle forks: **Load test, expansion test, test of finish, chemical test, impact test (Falling mass), impact test (falling frame/fork assembly)**.

The standard also specifies the requirements of **dimensions** for the **front forks**. Requirements for **manufacture and finish** has also been specified for **bicycle forks**.

The requirements of **marking** have also been specified in the Standard for **proper traceability** to the **manufacturer of bicycle forks**.

In summary, IS 2061:1995 ensures **that bicycle front forks** are **safe, reliable to use**, and ensures **improved ride quality, handling and comfort** for the end user.