



## IS 5187 “Flush Bolts- Specification”

**Flush bolts** keep the inactive door closed. Some are installed at the top of the door, but others are installed at the bottom. They are recessed into the door edge and slide upward or downward into the jamb either manually or automatically.

The Indian Standard, **IS 5187** lays down the **requirements for flush bolts** which are fixed on the shutter of **cupboards** and **doors** for bolting the shutter flush with the exterior surface. This standard provides guidance to manufacturers for their proper manufacture and to users for getting a product of adequate quality.

The standard specifies the suitable **Grades of materials** including Cast brass, Cast aluminium alloy, Extruded aluminium alloy, Extruded brass, Phosphor bronze and Steel Strip, for the items such as **Body & plate, Bolt** and **Spring** used in the manufacture of flush bolts. The standard mentions the requirements regarding manufacturing and construction of the **Type 1** and **Type 2 Flush bolts**. The standard specifies the **dimensions** alongwith **Tolerances** of **Face plate, Throw of Bolt, Bolt Dia, Lip Extension, No. of screw holes, Size of screw hole for wood screw no., Socket plate** corresponding to **Sizes** 100mm, 150mm and 200mm for **Type 1 Flush Bolts**. Similarly for **Type 2 Flush Bolts** the standard specifies the above mentioned **dimensions** alongwith **Tolerances** corresponding to **Sizes** 100mm, 150mm, 200mm, 250mm and 300mm.

The standard elaborates on the workmanship and finish requirements of the manufactured flush bolts to ensure that when assembled they shall have smooth and easy working.

The standard lays down **marking and packing** requirements for Flush Bolts manufactured in compliance with IS 5187. The Flush Bolts complying with the requirements laid down by IS 5187 and marked with **BIS Standard Mark** will ensure desired quality for the user.