



## **IS 2681: 1993 - Non-Ferrous Metal Sliding Door Bolts – Specification**

The BIS standard IS 2681: 1993 specifies requirements for non-ferrous metal **sliding door bolts**, commonly used in general construction to secure **doors** and **gates** with padlocks. Made from durable materials like **brass** and **aluminum alloys**, these bolts are designed to meet consumer expectations for **quality, security**, and **longevity**. This standard provides comprehensive specifications for **bolts in sizes** ranging from 150 mm to 450 mm, classifying them into **three types** based on material and manufacturing process to ensure optimal performance in various applications.

**Indian Standard IS 2681** includes essential parameters such as material quality, dimensional tolerances, and operational smoothness. For example, brass bolts may come with a **satın** or polished finish to improve corrosion resistance and appearance, while aluminum bolts are **anodized** for additional durability. These quality aspects align with consumer expectations for both aesthetic and functional durability. Furthermore, this standard is governed by the **DPIIT Quality Control Order**, which mandates that non-ferrous metal sliding door bolts bear the **BIS Standard Mark**, signifying compliance with BIS standards for quality and safety.

The standard also outlines marking requirements to include manufacturer details for traceability, ensuring consumer confidence in the product's origin and compliance. Additionally, it specifies a sampling method and criteria for conformity to verify that each production batch consistently meets quality standards. By defining these requirements, Indian Standard IS 2681 ensures that non-ferrous metal sliding door bolts meet industry and consumer expectations for strength, quality, and reliability in securing doors across various construction contexts.