

Indian Standard IS 1363 (Part 1):2019 - Hexagon Head Bolts, Screws and Nuts of product Grade C Hexagon Head Bolts (Size Range M 5 to M 64)

Hexagon Head Bolts, Screws, and Nuts of Grade C are commonly used in a variety of mechanical and structural applications. They are designed to provide strong, reliable fastening and can be found in everything from general-purpose construction to industrial machinery and automotive assemblies.

These are bolts with a six-sided (hexagonal) head that provides easy torque application, typically using a wrench or socket. They are used for fastening components where a high level of torque is required. These are ideal for general-purpose fastening in a variety of industries, providing a reliable and moderately strong connection.

The "**Grade C**" designation refers to the **strength classification** of certain fasteners, such as bolts, screws, and nuts. This grade is part of a system that categorizes fasteners based on their **tensile strength** (the ability to withstand forces pulling apart) and **yield strength** (the point at which the material will deform permanently).

IS 1363 (Part 1):2019 – ‘Hexagon Head Bolts, Screws and Nuts of product Grade C Hexagon Head Bolts (Size Range M 5 to M 64)’, developed by the Bureau of Indian Standards (BIS), specifies the characteristics of hexagon head bolts, in steel, with metric coarse pitch thread M5 to M64, with product grade C.

Conformity to this standard ensures that all construction requirements are adhered to and meet consumer’s expectations, such as optimum dimensions and workmanship.

So next time while choosing **hexagon head bolts**, make sure to look for BIS standard mark to get the necessary assurance for the product throughout its lifecycle.