



Indian Standard IS 1363 (Part 3) : 2018 - Hexagon Nuts (Style 1) Size Range M5 to M64

This Indian Standard, **IS 1363 (Part 3) : 2018**, aligned with **ISO 4034:2012**, specifies the characteristics of **Hexagon Regular Nuts (style 1), M5 to M64, product grade C**, made from steel with thread tolerance 7H.

Nuts are **hexagonal shape fasteners** that are used to secure parts together by fitting into the **threaded** end of a **bolt or screw**. While the nuts may be the smallest component of an industrial product they play a pivotal role in ensuring the safety and stability of a structure. As such it is imperative that these are **durable, strong, corrosion resistant** and allow proper **fitment**

Consumers generally expect nuts to not only withstand the forces, they are subjected to, without breaking or loosening over time but also be compatible with their corresponding bolts or screws.

This standard addresses the consumer expectations by specifying the various dimensions, tolerance classes, general requirements. This standard also specifies the mechanical properties like proof load, hardness, along with the test methods as per property class 5 for M5 to M39, while for sizes above M39 the same are agreed upon between the manufacturer and purchaser. It also outlines the requirements for surface finish like electroplating, non-electrolytically applied zinc flake coatings, hot-dip galvanizing, and other finishes as agreed between the supplier and manufacturer. Acceptance criteria is also specified in the standard. This product has also been brought under mandatory certification of BIS vide Quality Control Order issued by DPIIT