

Chapter 1 : A Nuts and Fasteners | ASTM | Atlanta Rod and Manufacturing - Atlanta Rod and Manufacturing

Abstract. This specification covers chemical and mechanical requirements for eight property classes of hex and hex-flange carbon and alloy steel nuts for general structural and mechanical uses on bolts, studs, and other externally threaded parts.

B Non-zinc-coated nuts are nuts intended for use with externally threaded fasteners which have a plain nonplated or noncoated finish or have a plating or coating of insufficient thickness to necessitate overtapping the nut thread to provide assemblability. Zinc-coated nuts are nuts intended for use with externally threaded fasteners which are hot-dip zinc-coated, mechanically zinc-coated, or have a plating or coating of sufficient thickness to necessitate overtapping the nut thread to provide assemblability. When A zinc-coated inch series nuts are supplied, the zinc coating, overtapping, lubrication and rotational capacity testing shall be in accordance with Specification A Specification F, or otherwise hot-dip coated, shall be tapped oversize by a diametral amount sufficient to permit assembly on the coated bolt thread, unless other requirements are specified in the inquiry or purchase order. Number of Tests 9. Additional tests of individual shipments of material are not ordinarily contemplated. Individual heats of steel are not identified in the finished product. Nominal Nut Size, in. A min max 0. Number of Nuts in Lot Number of Specimens and under to 8 8 to 22 Over 22 1 2 3 5 9. The manufacturer shall afford the inspector all reasonable facilities to satisfy him that the material is being furnished in accordance with this specification. Rejection and Rehearing Rejection should be reported to the producer or supplier promptly and in writing. In case of dissatisfaction with the results of the test, the producer or supplier may make claim for a rehearing. When individual marking is required, the mark shall be the grade letter symbol on one face of the nut. In addition, the manufacturer may add other distinguishing marks indicating that the nut is atmospheric corrosion resistant and of a weathering type. However, if markings are located on the bearing surface, they shall be depressed. The two identifications shall preferably be in different locations and, when on the same level, shall be separated by at least two spaces. Packaging and Package Marking Hex nuts made to the requirements of DH3 shall be marked with the symbol HX3 on one face. Supplementary Lubricant Requirements for Nuts S3. The lubricant shall be applied to specified surfaces on the nuts, such as 1 principally only those portions which are threaded, or 2 on threaded portions and either only one bearing face or both bearing faces, as required, or 3 such other specific lubricant placement criteria as are agreed to between the purchaser and the user. Details of these supplementary requirements shall be agreed upon in writing between the manufacturer and purchaser. This supplementary requirement shall in no way negate any requirement of the specification itself.

Chapter 2 : China Metric Heavy Hexagon Nuts ASTM AM Manufacturers

Nuts of property Class 8S are used with bolts of ASTM AM - Type 1 and 2 (con-coated) Nuts of Property 10S are used with bolts of ASTM AM - Type 1 and 2 (Zinc Coated) In Bolt/Nut assembly, tightening should be done by rotation of Nut.

Chapter 3 : ASTM FM - Wikipedia

A For Classes 5 and 9, a sulfur content of % max. is acceptable with the purchasers approval. B for Classes 10 and 12, a sulfur content of % max. is acceptable provided the manganese is% min.

Chapter 4 : ASTM AM - 07() Standard Specification for Carbon and Alloy Steel Nuts (Metric)

1. Scope. This specification covers chemical and mechanical requirements for eight property classes of hex and hex-flange carbon and alloy steel nuts for general structural and mechanical uses on bolts, studs, and other externally threaded parts.

Chapter 5 : A Nuts and Fasteners | ASTM | Atlanta Rod and Manufacturing - Atlanta Rod and Manufacturing

Designation: A 07a (Reapproved) Standard Specification for Carbon and Alloy Steel Nuts1 This standard is issued under the fixed designation A; the number immediately following the designation indicates the year of.

Chapter 6 : ASTM AM - 07() Standard Specification for Carbon and Alloy Steel Nuts (Metric)

astm a The ASTM A specification covers the chemical and mechanical requirements for carbon and alloy steel nuts used on bolts, studs, and externally threaded fasteners. The charts below address over tapping allowances for hot-dip galvanized nuts, grade marking requirements, and mechanical requirements.

Chapter 7 : ASTM AM - [PDF Document]

Heavy Hexagon Nuts - ASTM A M Class 8S or 10S of ASTM AM. 4. Nuts of Property Class 8S are used with bolts of ASTM AM - Type 1 (uncoated). Nuts of.

Chapter 8 : ASTM AM() - Standard Specification for Carbon and Alloy Steel Nuts (Metric)

Heavy Hex nuts teCHnICaL Data sHeet nuCOR FasteneR Heavy Hex Structural Nuts are manufactured to ASTM A, ASTM AM and ASTM A specifications and are designed to be stronger than the bolts with which they are assembled.

Chapter 9 : Ordering Bolts | American Institute of Steel Construction

astm a Scope - This specification covers the chemical and mechanical requirements for carbon and alloy steel nuts used on bolts, studs, and externally threaded fasteners.