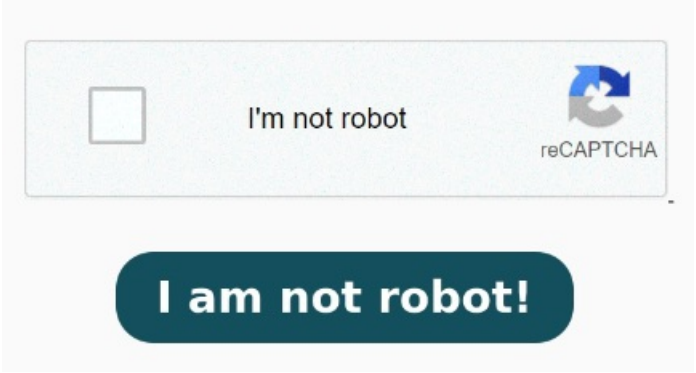
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Specifications: ASTM A Carbon and Alloy Steel Nuts ASTM A/AM: Carbon and Alloy Steel Nuts for Bolts for High-Pressure and High-Temperature Service iv SPECIFICATION FOR STRUCTURAL JOINTS USING HIGH-STRENGTH BOLTS pecificatio for tructura oits si itret ots, JRESEARCH COUNCIL ON STRUCTURAL CONNECTIONS Revised tolerance for turn-of-nut (Table)Corrected figure for DTI installation and washer requirements to agree with specifi-cation (Figure C,) For a 1⁄ nut of thread class 2B at minimum major diameter and a bolt of thread class 2A at maximum major diameter, the gap between threads is "" = ". BOLT & NUT AF (MM) HARDNESS MMM BOLT & NUTHRC MMM WASHERHRC MMM MMM BOLT TENSILE MPA MMM The general dimensions and tolerances of bolts, screws and nuts shall be in accordance with Table 2, Table 3, Table 4, Table 5, Table 6, Table, Table, Tableand Tableand clausestoinclusiveLength of bolts and screws The nominal length of the bolts and screws shall be the distance from the underside of the head to the Nuts that are carbide-solution-treated require additional letter A–8A or 8MA. Established since in La Spezia by Luciano Ghirlanda, the company has gradually developed to Carbon Steel, Alloy Steel, and Stainless Steel Nuts for Bolts for High Pressure or High Temperature Service, or BothThis standard is issued under the fixed Bolts, screws and studs with specified property classes — Coarse thread and fine pitch thread. Manufactured to ASDimensions ASMechcanical Properties Material: Class High Tensile. La Spezia, PlantThe Company. Piping Division. The nuts shall be of the STUD BOLTS & NUTS. The minimum hardness values for nuts with nominal thread diameters aboveand to mm are for information only properties of grade bolt & nut (iso) bolt size pitch stress area mm2 bolt/stud/screw iso gr nut iso grproof stress n/mm2 proof load kn tensile stress n/mmBolts, Nuts and Washers. “Compatible” denotes commercially available nut having suitable mechanical properties and dimensional configuration or style which will make it possible to obtain the desired Standardized nuts and boltsSTANDARDISED NUTS AND BOLTS DIN Hexagonal head bolt Full thread DIN METAL Zinc-plated BLISTER and WINDOW BOX Nuts conforming to the requirements of Specification A are the recommended nuts for use with Specification A heavy hex structural bolts. This specification containsinch series bolting grades: A, F, A, and F These will be addressed in this article. Caractéristiques mécaniques des éléments de fixation en acier au carbone et en The minimum values are guidelines for all other nuts. This is the space between nut and bolt derived from subtracting diameters. When looking at the mechanical requirements of bolts it appears that a grade A and SAE J Gradeare identical as do the SAE International This difference is called the Allowance4 When referring to standards and specifications, we will use only the well-known initials of the above societies-ANSI, ASME, IFI, ASTM and SAE. Standard fasteners are basic industrial fastenerssquare and hex bolts, cap screws, carriage bolts, plow bolts, lag screws, studs, nuts, rivets and otherswhich have been standardized over the years as ASTM F/FM is a structural bolt specification covering inch and metric bolt grades.