MATERIAL ORDERING DATA
MIL-DTL-1222

IDN: **4523A 6195-1226**

ICN: **38VNL25638** KO: **S01** KOI: **007**

Any specification that is referenced in this Material Order Data sheet is required to be to the latest revision at time of award.

6.1 Intended use. Fasteners meeting this specification are intended for general, high temperature, high strength and corrosive environment applications where a high degree of reliability is required. It is designed to be used to acquire commercial off-the-shelf fasteners with added inspections to verify the high degree of reliability required. Fastener types and grades have been selected to meet diverse applications which include: elevated temperatures, immersion in sea water, salt air/marine environments, high preloads and high shock loadings.

Paragraph 6.2 Ordering Data

A. **MIL-DTL-1222J, GENERAL SPECIFICATION FOR STUDS, BOLTS, SCREWS AND NUTS FOR APPLICATIONS WHERE A HIGHER DEGREE OF RELIABILITY IS REQUIRED; dated 08 DEC 2000**.
B. Part Number (see 3.14): **M1222N1X18C20NBNN**
    1. Configuration, Type, Style, Grade & Condition (see 1.2): **NUT, PLAIN, HEXAGON, TY-I, GR-405 (ASTM F467), AS FORMED OR STRESS RELIEVED.**
        a. Configuration for socket head cap screws style: N/A (ASME B18.3 para 1.2)
    2. Size, Length (for studs, bolts and screws) (see 3.9.2.2): **1-1/8" DIA.**
    3. Thread series, and class of fit (see 3.9.1): **7 UNC-2B**
    4. When needed for type IV studs, end configuration shall be (see 3.9.2.2): **N/A**
    5. When a nonstandard fastener is needed, it may be specified on a drawing (see 1.2): **N/A**
C. The current issue of DoDISS and individual documents is to be cited in the solicitation.
D. When heat treatments do not need to be controlled in accordance with AMS 2750 and MIL-STD-1684: **N/A**
E. Type of coating and the minimum coating thickness for all internally-threaded fasteners, all externally-threaded fasteners with class 3A or 5 threads, and those externally-threaded fasteners with class 2A threads that need a thicker coating, when required: **N/A**
F. When aluminum alloy fasteners are to be coated with an immersion zinc flake/chromate dispersion coating, the coating procedure and thickness requirements shall be provided: **N/A**
G. When titanium alloy fasteners are to be coated with an inorganic coat: **N/A**
H. When cut or ground threads are not permitted: Permitted
I. The tread series, when a nonstandard thread series is needed: **N/A**
J. Bearing surface of the bolt or nut, when a specific bearing surface is needed: **WASHER FACED or CHAMFERED**
K. Is self locking element required? No If yes, specification type/class: Select one:

MATERIAL ORDERING DATA
MIL-DTL-1222

L. Identification markings, when a nonstandard identification marking is needed: **N/A (Per NSTM S9086-CJ-STM-010 Chapter 75 Rev 5, para 075-3.2.2.1.1, Level I alloy steel socket head capscrews shall be marked "A574;" marking "STM" is also acceptable.)**

M. When required the following are to be reported:

1. Examination test results: NO
    a. Specify which test type desired (e.g., PT, MT): **N/A**
2. Chemical analysis: YES
3. Mechanical property test results: YES
4. Decarburization test: NO
5. Magnetic permeability test: NO

N-BB: YES

Note to Engineer: If you select "yes", specify additional requirements in the Additional Data Requirements section.

Note to Vendor: If anything from sections N-BB applies, it is specified in the Additional Data Requirements section.

Additional Data Requirements: **MATERIAL GRADE 400 IS ALSO ACCEPTABLE.**

All unit intermediate and shipping containers must be marked in accordance with MIL-STD-129. Refer to DLA Procurement Note C20 for further instructions.

Prepared By: **Kenny Maldonado**
Code: **260.2**