

**UNITED STATES DEPARTMENT OF AGRICULTURE  
FOREST SERVICE  
STANDARD FOR  
THREADS, GASKETS, ROCKER LUGS,  
CONNECTIONS AND FITTINGS, FIRE HOSE**

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3.1.1. Threads.

Add the following sentence:

All threaded fasteners shall have a minimum of 4 threads fully engaged.

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3.2.1. Gasket Material.

Replace a, b, and c with the following:

- a. Gasket material shall meet the requirements of ASTM D 2000 AA 720 Z, Z = 1250 psi modulus at 300% elongation minimum.
- b. The change in tensile strength shall not be more than + or – 30%, change in elongation shall not be more than – 50%, and change in hardness shall not be more than + or – 15 points after heat aging for 70 hours at 70 degree C in accordance with ASTM D 573.
- c. Shore Type A durometer hardness shall be 70 + or – 5 when tested per ASTM D 2240.
- d. Minimum tensile strength shall be 1250 at 300% elongation when tested per ASTM D 412.

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3.3.1. Certification.

Replace this section with the following:

The contractor shall provide certificates of conformance for all materials used in the manufacture of an item. The contractor shall provide the following information on certificates of conformance:

- a. Material description, i.e. Aluminum 6061, T6; rubber gasket ASTM D 2000 AA 720 Z
- b. Specification, Standard or Test Method (include type, class, and form when applicable)  
i.e. ASTM D2240, ASTM D412, or MIL-A-8625, Type III, Class 1
- c. Lot or batch number
- d. Test company name, address, and telephone number
- e. Test technician/Quality Assurance Manager's name and title
- f. Test date
- g. All characteristic test values

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3.3.2. Test Results.

Replace this section with the following:

The contractor shall maintain complete records, including test results. At the request of the government, the contractor shall provide test results and other records, as described in the certificates of conformance, for all materials used in the manufacture of an item.

Page 6,

Table 1, Thread Form and Gasket Recess Dimensions, for 3/4 inch 11-1/2 NH, sixth column, "K" dimension, "Diameter of Gasket Seat", delete "1.44 (36.58)" and substitute "1.04 (26.42)".

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Table 5, Gasket Dimensions, for 3/4 inch waterway, third column, "B" dimension, "Outer Diameter", delete "1.44 (36.58)" and substitute "1.04 (26.42)."