

MATERIAL ORDERING DATA  
MIL-T-15005

IDN: **N4523A** 6020-4000

ICN: 38RTA51704 KO: **S10** KOI: 004

Paragraph 6.2 Ordering Data

- a. **MIL-T-15005F**, Tubes, Condenser and Heat Exchanger, Copper-Nickel Alloys (UNS C70600 & C71500), dated 06 Dec 1989
- b. Composition: Copper alloy C71500 (formerly 70-30)
- c. Temper, if other than annealed: C70600 - 061 - Annealed
- d. Issue of DODISS to be cited in the solicitation, and if required, the specific issue of individual documents referenced: Latest
- e. Applicable issue of ASTM B111: Latest  
*(per 3.1: Copper alloys C70600 and C71500 condenser tubes shall conform to **ASTM B111** with supplementary requirements **S2**, **S3**, and **S4** as modified herein.)*
- f. Whether tensile tests are required: No
- g. Whether hydrostatic testing, ultrasonic inspection or liquid penetrant inspection are required: No
- h. If cleaning procedures are to be other than specified: No
- i. Outside diameter required: 0.750 in  
Wall thickness required: 0.065 in  
Length required: 46 feet

**ASTM B111**, Standard Specification for Copper and Copper-Alloy Seamless Condenser Tubes and Ferrule Stock dated 01 Oct 2011:

Supplemental requirements 2, 3, and 4 apply:

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## SUPPLEMENTARY REQUIREMENTS

The following supplementary requirements shall apply only when specified by the purchaser in the inquiry, contract, or order, for agencies of the U.S. government.

### S1. Referenced Documents

S1.1 The following documents of the issue in effect on date of material purchase form a part of this specification to the extent referenced herein:

#### S1.1.1 *Federal Standards:*<sup>6</sup>

Fed. Std. No. 102 Preservation, Packaging and Packing Levels

Fed. Std. No. 123 Marking for Shipment (Civil Agencies)

Fed. Std. No. 185 Identification Marking of Copper and Copper-Base Alloy Mill Products

#### S1.1.2 *Military Standard:*<sup>6</sup>

MIL-STD-129 Marking for Shipment and Storage

#### S1.1.3 *Military Specification:*<sup>4</sup>

B900 Specification for Packaging of Copper and Copper Alloy Mill Products for U.S. Government Agencies

### S2. Quality Assurance

S2.1 *Responsibility for Inspection*—Unless otherwise specified in the contract or purchase order, the manufacturer is responsible for the performance of all inspection and test requirements specified. Except as otherwise specified in the contract or purchase order, the manufacturer may use his own or any other suitable facilities for the performance of the

inspection and test requirements unless disapproved by the purchaser at the time the order is placed. The purchaser shall have the right to perform any of the inspections or tests set forth when such inspections and tests are deemed necessary to assure that the material conforms to prescribed requirements.

### S3. Identification Marking

S3.1 All material shall be properly marked for identification in accordance with Fed. Std. No. 185 except that the ASTM specification number and the alloy number shall be used.

### S4. Preparation for Delivery

#### S4.1 *Preservation, Packaging, Packing:*

S4.1.1 *Military Agencies*—The material shall be separated by size, composition, grade or class and shall be preserved and packaged, Level A or C, packed Level A, B, or C as specified in the contract or purchase order, in accordance with the requirements of ASTM B900.

S4.1.2 *Civil Agencies*—The requirements of Fed. Std. No. 102 shall be referenced for definitions of the various levels of packaging protection.

#### S4.2 *Marking:*

S4.2.1 *Military Agencies*—In addition to any special marking required by the contract or purchase order, marking for shipment shall be in accordance with MIL-STD-129.

S4.2.2 *Civil Agencies*—In addition to any special marking required by the contract or purchase order, marking for shipment shall be in accordance with Fed. Std. No. 123.

<sup>6</sup> Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, <http://www.dodssp.daps.mil>.

Additional requirements:

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