

WW-T-775B  
 March 15, 1976  
 SUPERSEDING  
 Fed. Spec. WW-T-775A  
 May 3, 1962

## FEDERAL SPECIFICATION

### TUBE, COPPER; SEAMLESS (FOR AIR CONDITIONING AND REFRIGERATION)

This specification was approved by the Commissioner, Federal Supply Service, General Services Administration, for the use of all Federal agencies.

#### 1. SCOPE AND CLASSIFICATION

1.1 Scope. This specification covers seamless copper tube suitable for use with solder-type or flared-tube fittings. The actual outside diameter is the same as the nominal size.

1.2 Classification. Copper tubing shall be of the following types as specified (see 6.2).

- Type I - Air conditioning tube.
- Type II - Refrigeration service tube.

#### 2. APPLICABLE DOCUMENTS

2.1 The following documents, of the issues in effect on date of invitation for bids or request for proposal, form a part of this specification to the extent specified herein.

##### Federal Standard:

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

(Activities outside the Federal Government may obtain copies of Federal Specifications, Standards, and Handbooks as outlined under General Information in the Index of Federal Specifications and Standards and at the prices indicated in the Index. The Index, which includes cumulative monthly supplements as issued, is for sale on a subscription basis by the Superintendent of Documents, U.S. Government Printing Office, Washington, DC 20402.

(Single copies of this specification and other Federal Specifications required by activities outside the Federal Government for bidding purposes are available without charge from Business Service Centers at the General Services Administration Regional Offices in Boston, New York, Washington, DC, Atlanta, Chicago, Kansas City, MO, Fort Worth, Denver, San Francisco, Los Angeles, and Seattle, WA.

(Federal Government activities may obtain copies of Federal Specifications, Standards, and Handbooks and the Index of Federal Specifications and Standards from established distribution points in their agencies).

##### Military Specification:

MIL-C-3993 - Copper and Copper-Base Alloy Mill Products; Preparation for Shipment and Storage of.

##### Military Standard:

MIL-STD-129 - Marking for Shipment and Storage.

(Copies of Military Specifications and Standards required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer.)

2.2 Other publications. The following documents form a part of this specification to the extent specified herein. Unless a specific issue is identified, the issue in effect on date of invitation for bids or request for proposal shall apply.

WW-T-775B

American Society for Testing and Materials (ASTM) Standards:

B 280 - Seamless Copper Tube for Air Conditioning and Refrigeration Field Service.

(Application for copies should be addressed to the American Society for Testing and Materials, 1916 Race Street, Philadelphia, PA 19013.)

National Motor Freight Traffic Association, Inc., Agent:

National Motor Freight Classification.

(Application for copies should be addressed to the American Trucking Associations, Inc., Tariff Order Section, 1616 P Street, N.W., Washington, DC 20036.)

Uniform Classification Committee, Agent:

Uniform Freight Classification.

(Application for copies should be addressed to the Uniform Classification Committee, Room 1106, 222 South Riverside Plaza, Chicago, IL 60606.)

3. REQUIREMENTS

3.1 General. Copper tubing furnished under this specification shall conform to ASTM B 280.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for inspection. Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure that supplies and services conform to prescribed requirements.

4.2 Inspection. Inspect tubes in accordance with ASTM B 280.

4.3 Preparation for shipment. Examination of packing and marking for shipment shall be made to determine conformance with the requirements of section 5.

5. PREPARATION FOR DELIVERY

5.1 Packing. Packaging shall be level A, B, or C as specified (see 6.2).

5.1.1 Levels A and B. The material shall be separated by type, form, length, and size whenever practicable, and packed in accordance with MIL-C-3993.

5.1.2 Level C. Material shall be packed in containers which will insure acceptance by common carrier and safe delivery at destination. Containers shall be in accordance with Uniform Freight Classification or National Freight Classification as applicable.

5.2 Marking. Marking shall be in accordance with 5.2.1 or 5.2.2 as specified (see 6.2).

5.2.1 Civil agencies. Marking shall be in accordance with Fed. Std. No. 123.

5.2.2 Military agencies. Marking shall be in accordance with MIL-STD-129.

6. NOTES

6.1 Intended use. Tube covered by this specification is intended for use in air conditioning and refrigeration field service.

WW-T-775B

6.2 Ordering data. Purchasers should select the preferred options permitted herein, and include the following information in procurement documents:

- (a) Title, number, and date of this specification.
- (b) Type required (see 1.2).
- (c) ASTM B 280 ordering information (see 3.1).
- (d) Level of packing required (see 5.1).
- (e) Whether civil or military marking is required (see 5.2).

MILITARY INTERESTS:Custodians:

Navy - YD  
 Army - ME  
 Air Force - 11

Review activities:

Navy - SH  
 Army - MI, GL  
 Air Force - 82

User activities:

Navy - MC

Coordinating activity:

Navy - YD

CIVIL AGENCY COORDINATING ACTIVITIES:

Commerce - NBS  
 GSA - FSS, PCD  
 HEW - PEC  
 NASA - JFK  
 USDA - AFS

PREPARING ACTIVITY. GSA - FSS

U. S. GOVERNMENT PRINTING OFFICE : 1976 - 210-814/1163

Orders for this publication are to be placed with General Services Administration, acting as an agent for the Superintendent of Documents. See Section 2 of this specification to obtain extra copies and other documents referenced herein. Price 25 cents each.