

INCH-POUND

A-A-59438
26 May 1999
SUPERSEDING
MIL-P-12164E
29 March 1984

COMMERCIAL ITEM DESCRIPTION

PLAYPIPE: NOZZLE, FIRE HOSE

The General Services Administration has authorized the use of this Commercial Item Description (CID), for all federal agencies.

1. **SCOPE.** This CID covers the general requirements for a playpipe. A playpipe furnishes a rigid extension to a standard fire hose and provides a gripping surface for fire fighting personnel. The playpipe covered in this CID is for use by civil and military fire departments.

2. SALIENT CHARACTERISTICS.

2.1 **Description.** The playpipe shall be as specified herein. The waterway bore of the playpipe shall be smooth and unobstructed and shall taper from 2-1/2 inches at the butt end to 1-1/2 inches at the tip end (see figure 1).

2.2 **Construction Materials.** The materials used shall be in accordance with the requirements stated in chapter 3, National Fire Protection Association (NFPA) 1964, Standard for Spray Nozzles (Shutoff and Tip), 1998 Edition.

Beneficial comments, recommendations, additions, deletions, clarification, etc. and any other data which may improve this document should be sent to: Defense Supply Center Columbus, ATTN: DSCC-VAI, 3990 East Broad Street, Columbus, Ohio 43216-5000.

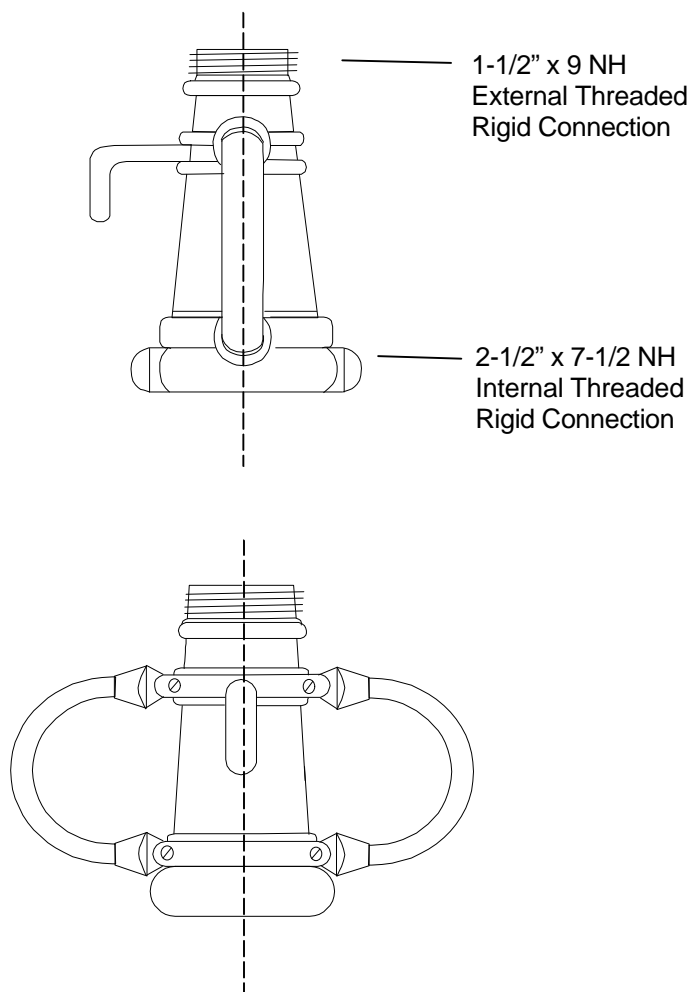


FIGURE 1. Playpipe, 2-2 ½ inch (8-11 inch length).

2.3 Design and Construction. The overall length of the playpipe shall be not less than 8 inches and not more than 11 inches. The body of the playpipe shall be one-piece construction. The playpipe shall be equipped with two diametrically opposed semiflexible handles that swivels around the playpipe at the tip and butt without binding. The swivel at the tip end shall have an integrally cast ladder hook. The handles and ladder hooks shall support 300 lbs. The handles shall be reinforced at the swivel connections for rigid construction. The butt end shall be equipped with rocker-type lugs. The lugs shall be designed for use with spanner wrenches.

2.4 Performance. The playpipe shall have a working pressure rating of 250 pounds per square inch gage (psig) and shall withstand a hydrostatic pressure of 500 psig without evidence of permanent deformation, cracks, or other evidence of damage or leakage.

2.5 Threads. The butt end of the playpipe shall have a 2-1/2 inch x 7-1/2 NH (National Hose) internal threaded rigid connection, and the tip end shall have a 1-1/2 inch x 9 NH external threaded rigid connection. Threads shall be NH threads conforming to National Fire Protection Association 1963 (NFPA), Standard for Fire Hose Connections.

2.6 Bolted Connections. Washers or lockwashers shall be provided where necessary. Matching thread areas securing bolts conforming to SAE J429 or capscrews shall be of sufficient strength to withstand the

tensile strength of the bolt. All fasteners shall be correctly torqued and shall have full thread engagement. Bolts shall not protrude more than two full threads.

2.7 Gaskets. One gasket shall be furnished to fit each internal-threaded connection. The gasket shall be commercial standard.

2.8 Deterioration. The playpipe shall be made of inherently corrosive resistant materials or treated to provide protection from various forms of corrosion. Dissimilar metals shall be electrically insulated from one another to minimize or prevent galvanic corrosion.

2.9 Environmental Protection. During the manufacturing of the playpipes, materials hazardous to the environment or prohibited by the Federal, State or Local statutes shall not be used or emitted.

3. REGULATORY REQUIREMENTS.

3.1 Recycled/Recovered Materials. The offerer/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4. QUALITY ASSURANCE PROVISIONS.

4.1 Product Conformance. The products provided shall meet the salient characteristics of this CID, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial market. The government reserves the right to require proof of such conformance.

4.2 Market Acceptance. The manufacturers of products supplied under this CID shall meet the following criteria to ensure the quality of the product:

1. Five years in business.
2. Commercial sales of 200 playpipes per two years.
3. Have manufactured and supplied similar fire fighting equipment to fire fighting organizations for a minimum of two years.

5. PACKAGING.

5.1 Preservation, Packing and Marking. Preservation, packing, and marking shall be as specified in the contract or order.

6. NOTES.

6.1 Ordering Data. The contract or order should specify the following:

1. CID document number, and revision.
2. Marking requirements.
3. Quality assurance provisions.
4. Packaging requirements.

6.2 Intended Use. The playpipe is intended for use on handheld 2-1/2 inch fire hose for directing a stream of water.

6.3 Commercial Products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of the commercial product. At the time of this CID preparation and

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coordination, these manufacturers were known to have commercial products that meet the requirements of this CID. (Note: This information should not be considered as a list of approved manufacturers or be used to restrict procurement to only the manufacturers addressed).

Manufacturer's Cage

00912

Manufacturer's Name and Address

Akron Brass Company
1450 Spruce ST
P.O. Box 86, Dept. DC
Wooster, OH 44691- 0086

20266

Elkhart Brass Manufacturing Company, Inc.
1300 W. Beardsley
P.O. Drawer 1127
Elkhart, IN 46515

6.4 Government Users. To acquire information on obtaining these playpipes from the Government inventory system, contact Defense Supply Center, Columbus, ATTN: DSCC-VAI, P.O. Box 3990, Columbus, OH 43216-5000, or telephone (614) 692-1753.

6.5 Source For Reference Documents.

6.5.1 NFPA standards can be obtained by contacting the National Fire Association, 1 Batterymarch Park, Quincy, MA 02269-9101.

6.5.2 SAE standards can be obtained by contacting the Society of Automotive Engineers, 400 Commonwealth Drive, Warrendale, PA 15086.

6.5.3 The Federal Acquisition Regulation (FAR) 23.403 may be obtained from the Superintendent of Documents, US Government Printing Office, Washington, DC 20402.

6.6 National Stock Numbers (NSNs). The following is a list of NSNs assigned which correspond to this CID. The list may not be indicative of all possible NSNs associated with the CID.

NSN

4210-00-160-7926

4210-00-200-0346

4210-00-537-3109

MILITARY INTEREST:

CIVIL AGENCY
COORDINATING ACTIVITY

Custodians:

GSA-FSS

Army - AV

Air Force – 99

DLA-CC

Preparing activity:

DLA-CC

Review activities:

(Project 4210-0612)

Air Force – 84