

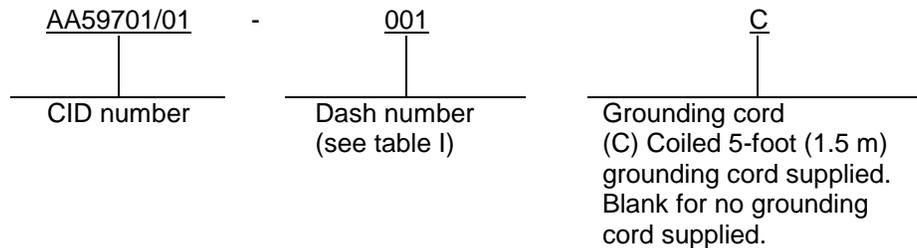
COMMERCIAL ITEM DESCRIPTION

WRIST STRAP, SINGLE CONDUCTOR, METAL, ELECTROSTATIC DISCHARGE WITH OPTIONAL COILED GROUNDING CORD

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

The complete requirements for procuring the wrist straps described herein shall consist of this document and the issue in effect of CID A-A-59701.

CLASSIFICATION. This CID uses a classification system that is included in the Part Identification Number (PIN) as shown in the following example (see notes).



SALIENT CHARACTERISTICS.

Interface and physical dimensions. Wrist straps and grounding cords supplied to this CID shall meet or exceed the application requirements of American National Standard/Electrostatic Discharge Association (ANSI/ESD) standard number S1.1, ANSI/ESD S20.20 and Electronic Industries Alliance (EIA) JESD 625-A (see figure 1).

Metal expansion bands. This wrist strap shall be constructed of a metal stainless steel expansion band.

Inside link material. Inside links of this wrist strap shall be constructed of stainless steel.

Insulative plastic caps. Exterior links shall be covered with an insulative plastic cap.

Wrist strap sizes. The wrist strap sizes shall be as specified in table I.

Single conductor. This wrist strap shall be of the single conductor type.

Male snap plate assembly. The male snap plate assembly shall consist of a non-oxidizing, metal male snap and snap plate that are mechanically and electrically fastened to each other.

Male snap size. This male snap shall be 4mm.

Coiled grounding cord. If a single conductor, coiled grounding cord is provided, the following shall apply.

Grounding cord length. The minimum working length of the grounding cord shall be 5 feet (1.5 m).

AMSC N/A

FSC 5920

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

A-A-59701/1

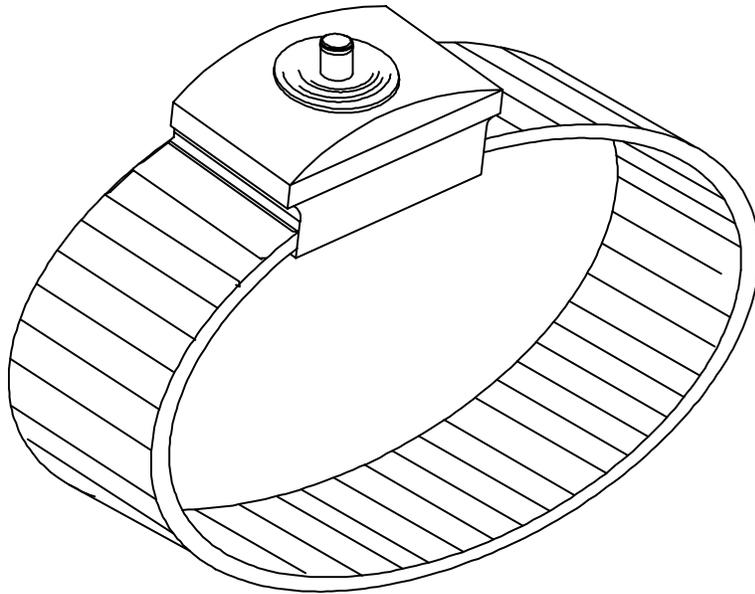


FIGURE 1. Configuration.

TABLE I. Characteristics.

CID dash number AA59701/01-	Wrist strap size	Dimensions
001	Small	For wrists from 4.5 inch to 6 inch (114 mm to 152 mm) in circumference.
001C		For wrists from 4.5 inch to 6 inch (114 mm to 152 mm) in circumference. Supplied with a 5-foot (1.5 m) coiled grounding cord.
002	Medium	For wrists from 5.5 inch to 7.25 inch (140 mm to 184 mm) in circumference.
002C		For wrists from 5.5 inch to 7.25 inch (140 mm to 184 mm) in circumference. Supplied with a 5-foot (1.5 m) coiled grounding cord.
003	Large	For wrists from 6.5 inch to 8.25 (165 mm to 210 mm) in circumference.
003C		For wrists from 6.5 inch to 8.25 (165 mm to 210 mm) in circumference. Supplied with a 5-foot (1.5 m) coiled grounding cord.
004	Extra large	For wrists larger than 7.5 inch (190.5 mm) in circumference.
004C		For wrists larger than 7.5 inch (190.5 mm) in circumference. Supplied with a 5-foot (1.5 m) coiled grounding cord.

Resistance end-to-end. The resistance end-to-end of the grounding cord shall be 1M ohm \pm 20 percent.

Tensile strength. The grounding cord shall have a tensile strength greater than 15 pounds.

Average termination flex life. The average termination flex life of the grounding cord shall be greater than 200,000 flexes.

Alligator clip. All coiled grounding cords shall be supplied with an alligator clip, which fits over the installed banana jack, to provide an alternative ground attachment method.

NOTES.

PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See classification information for PIN format example.

Source of documents.

Other Publications

AMERICAN NATIONAL STANDARDS INSTITUTE/ELECTROSTATIC DISCHARGE ASSOCIATION (ANSI/ESD)

ANSI/ESD S1.1 - Evaluation, Acceptance, and Functional Testing of Wrist Straps.

ANSI/ESD S20.20 - Development of an Electrostatic Discharge Control Program.

(Application for copies should be addressed to the American National Standards Institute, 11 West 42nd Street, New York, NY 10036.)

ELECTRONIC INDUSTRIES ALLIANCE (EIA)

JESD 625-A - Requirements for Handling Electrostatic - Discharge - Sensitive (ESDS) Devices.

(Application for copies should be addressed to the Electronic Industries Alliance, 2500 Wilson Boulevard, Arlington, VA 60062-2096.)

(Industry association specifications and standards are generally available for reference from libraries. They are also distributed among technical groups and using Federal agencies.)

Commercial products. As part of the market analysis and research effort, this CID was coordinated with the following manufacturers of commercial products. At the time of CID preparation and coordination, these manufacturers were known to have commercial products that would 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 shown.)

<u>MFR's CAGE</u>	<u>MFR's name and address</u>
20999	3M Electronic Handling & Protection Division Austin, TX 78726-9000 Phone number (800) 328-1368 Facsimile number (800) 858-9136 E-mail: bgcollins1@mmm.com Uniform Resource Locator (URL): www.3m.com/market/electronic/ehpd/

Part number (P/N) supersession data. These CID part numbers supersede the following MFR's P/N's as shown. This information is being provided to assist in reducing proliferation in the government inventory system.

TABLE II. P/N supersession data.

CID dash number (see table I)	Vendor commercial P/N <u>1/</u>	
	MFR's CAGE	MFR's P/N <u>1/</u>
AA59701/01-		
001	20999	98-0798-1838-5
001C	20999	98-0798-1835-1
002	20999	98-0798-1839-3
002C	20999	98-0798-1836-9
003	20999	98-0798-1840-1
003C	20999	98-0798-1837-7
004	20999	98-0798-4366-4
004C	20999	98-0798-4326-8

1/ The manufacturer's P/N shall not be used for procurement to the requirements of this CID. At the time of preparation of this CID, the aforementioned commercial products were reviewed and could be replaced by the CID P/N shown. For actual part marking requirements see 3.2 of A-A-59701.

MILITARY INTERESTS:

Custodians:
Navy - EC

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing activity:

DLA-CC

Project 5920-0736-01