

## COMMERCIAL ITEM DESCRIPTION

## SLEEVE, SWAGING-WIRE ROPE, ALUMINUM

The General Services Administration has authorized the use of this commercial item description for all federal agencies.

1. SCOPE. This commercial item description (CID) covers the general requirements for sleeve, swaging-wire rope, aluminum. Sleeve, swaging-wire rope, aluminum covered by this CID are intended for commercial/industrial applications.
2. CLASSIFICATION/PART OR IDENTIFICATION NUMBER (PIN). This CID uses a classification system which is included in the PIN as shown in the following example (see 7.1). The following part or identification numbering procedure is for governmental purposes and does not constitute a requirement for the contractor.

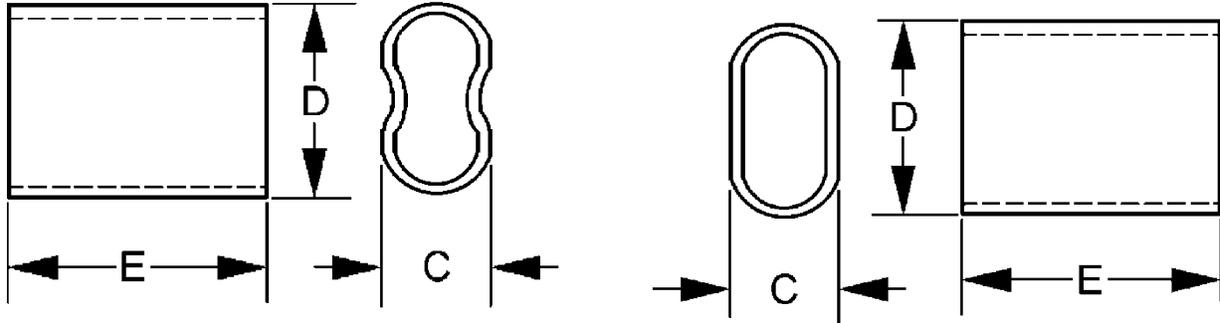


### 3. SALIENT CHARACTERISTICS.

3.1 Interface and physical dimensions. Sleeve, swaging-wire rope, aluminum supplied to this CID shall be as specified herein (see figure 1).

3.2 Material: Aluminum, alloy types 1100, 3003, 6061, or 6063 (UNS A96063) in accordance with ASTM-B221 or aluminum alloy types 3003, 6061, or 6063 in accordance with ASTM-B241/B241M.

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any data that may improve this document should be sent to: DLA Land and Maritime, Attn: DSCC-VAI, P.O. Box 3990, Columbus, OH 43218-3990, or emailed to [FluidFlow@dla.mil](mailto:FluidFlow@dla.mil). Since contact information can change you may want to verify the currency of the address information using the ASSIST Online database at <https://assist.dla.mil/>.



DESIGN OPTIONAL

For use with zinc or tin coated carbon steel cable (see note 4)	Cable size Nominal	C Max inches (mm)	D Max inches (mm)	E Max inches (mm)
Aluminum sleeve dash number				
-01	1/32	.110 (2.79)	.156 (3.96)	.270 (6.86)
-02	3/64	.154 (3.91)	.221 (5.61)	.410 (10.41)
-03	1/16	.190 (4.83)	.271 (6.88)	.410 (10.41)
-04	3/32	.262 (6.65)	.406 (10.31)	.520 (13.21)
-05	1/8	.348 (8.84)	.504 (12.80)	.660 (16.76)
-06	5/32	.400 (10.16)	.570 (14.49)	.780 (19.81)
-07	3/16	.470 (11.94)	.675 (17.15)	1.020 (25.91)
-08	7/32	.504 (12.80)	.754 (19.15)	1.083 (27.51)
-09	1/4	.565 (14.35)	.846 (21.49)	1.145 (29.08)
-10	5/16	.687 (17.45)	1.032 (26.21)	1.375 (34.93)
-11	3/8	.790 (20.07)	1.210 (30.73)	1.470 (37.34)
-12	1/2	1.082 (27.48)	1.645 (41.78)	2.020 (51.31)
-13	5/8	1.250 (31.75)	1.938 (49.23)	2.500 (63.50)

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Cable can be either MIL-DTL-83420 type I or RR-W-410, type I, class 2 (see figure 1).
4. Cable can be MIL-DTL-83420 type I, composition A. (Do not use aluminum sleeves with stainless steel cable.)
5. Due to the manufacturing process the appearance of the sleeves may not be uniform.

FIGURE 1. Sleeve swaging-wire dimensions and configuration.

3.3 Marking. Sleeve, swaging-wire rope, aluminum supplied to this CID shall be marked with the manufacturer's (MFR's) standard commercial PIN. (NOTE: The part number marked on the unit pack shall be the CID PIN.)

3.4 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible provided that the material meets or exceeds the operational and maintenance requirements, and promotes economically advantageous life cycle costs.

3.5 Workmanship. sleeve, swaging-wire rope, aluminum shall be processed in such a manner as to be uniform in quality and shall be free from other defects that will affect life, serviceability, or appearance.

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with 23.403 of the Federal Acquisition Regulation (FAR).

#### 5. PRODUCT CONFORMANCE PROVISIONS

5.1 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.

6 PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

#### 7. NOTES.

7.1 PIN. The PIN should be used for Government purposes to buy commercial products to this CID. See section 2 for PIN format example.

7.2 Environmentally preferable material. Environmentally preferable materials should be used to the maximum extent possible to meet the requirements of this specification. As of the dating of this document, the U.S. Environmental Protection Agency (EPA) is focusing efforts on reducing 31 priority chemicals. The list of chemicals and additional information is available on their website <http://www.epa.gov/osw/hazard/wastemin/priority.htm>. Included in the EPA list of 31 priority chemicals are cadmium, lead, and mercury. Use of these materials on the list should be minimized or eliminated unless needed to meet the requirements specified herein (see section 3).

7.3 Commercial and Government Entity (CAGE) code. For ordering purposes, inventory control, and submission of this sleeve, swaging-wire rope, aluminum to DLA Land and Maritime under the Parts Management Advisory Team (PMAT) evaluation program, CAGE code 58536 should be used.

#### 7.4 Source of documents

##### FEDERAL REGULATIONS

FAR – Federal Acquisition Regulations (FAR)

(Copies of these documents are available online at [www.acquisition.gov/comp/far/index.html](http://www.acquisition.gov/comp/far/index.html) or from the U.S. Government Printing Office, 732 North Capital Street, NW, Washington D.C. 20401.)

DEPARTMENT OF DEFENSE SPECIFICATIONS

MIL-DTL-83420	-	Wire Rope, Flexible, For Aircraft Control, General Specification For
RR-W-410	-	Wire Rope and Strand
MS51844	-	Sleeve, Swaging-Wire Rope

(Copies of these documents are available online at <http://quicksearch.dla.mil/> or from the Standardization Document Order Desk, 700 Robbins Avenue, Building 4D, Philadelphia, PA 19111-5094.)

ASTM INTERNATIONAL

ASTM-B221	-	Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes
ASTM-B241/B241M	-	Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube

(Copies of these documents are available online at <http://www.astm.org> or from the ASTM International, P.O. Box C700, 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

7.5 Ordering data. The contractor order should specify the following:

- a. CID document number, revision and CID PIN.
- b. Product conformance provisions.
- c. Packaging requirements.

7.6 Commercial products. As part of the market analysis and research effort, this CID specification sheet was coordinated with the following manufactures of commercial products. At the time of CID specification sheet preparation and coordination, these manufacturers were known to have commercial products that would meet the requirements of this CID specification sheet. (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>Vendor CAGE number</u>	<u>Vendor name and address</u>
76691	National Telephone Supply Company 5100 Superior Ave Cleveland, Ohio 44103 <a href="mailto:sales@nicopress.com">sales@nicopress.com</a>
65196	Loos & Co. Inc., Cableware Div. 901 Industrial Blvd. Naples, Florida 34104 <a href="http://loosnaples.com/">http://loosnaples.com/</a>
0DH93	The Bilco Group 1285 Central Avenue, Hillside, New Jersey 07205 <a href="mailto:Sales@BilcoGroup.com">Sales@BilcoGroup.com</a> 1-800-345-3028

7.7 Part number (P/N) supersession data. The following PIN supersession data is for governmental purposes and does not constitute a requirement for the contractor. These CID PINs 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.

Dash number (see figure 1) AA59934-	Vendor commercial PIN CAGE 76691	Vendor commercial PIN CAGE65196	Vendor commercial PIN CAGE 0DH93
01	188-1-VB	---	ADF 1/32
02	188-1.5-VB4	SL1-1.5	ADF 3/64
03	188-2-VC	SL1-2	ADF 1/16
04	188-3-VG	SL1-3	---
05	188-4-VM	SL1-4	ADF 1/8
06	188-5-VP	SL1-5	ADF 5/32
07	188-6-VX	SL1-6	ADF 3/16
08	188-7-VF2	SL1-7	ADF 7/32
09	188-8-VF6	SL1-8	ADF 1/4
10	188-10-VG92	SL1-9	ADF 5/16
11	188-12-VH5	SL1-10	ADF 3/8
12	188-16-VM1	SL1-16	ADF 1/2
13	188-20VN5	---	ADF 5/8

7.8 Aluminum sleeves. This commercial item description is not intended for aerospace or other critical usage. For aerospace and critical applications use MS51844.

7.9 Government users. To acquire information on obtaining these sleeves from the Government inventory system, contact DLA Land and Maritime, ATTN: DLA Land and Maritime Call Center (NAB), PO BOX 3990, Columbus, OH 43218-3990, or telephone (614) 692-2271 or (614) 692-3191.

MILITARY INTERESTS:

Custodians:

- Army - AR
- Navy - SH
- Air Force - 99
- DLA - CC

Review activities:

- Army - AT, AV, EA, MI
- Navy - MC, SA
- Air Force - 11, 71
- DLA - GS5

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - 7FXE

Preparing Activity:

DLA-CC

(Project 4030-2013-002)

NOTE: The activities listed above were interested in this document as of the date of this document. Since organizations and responsibilities can change, you should verify the currency of the information above using the ASSIST Online database at <https://assist.dla.mil>.