

INCH-POUND

MS16843H

13 July 2017

SUPERSEDING

MS16843G

16 April 2012

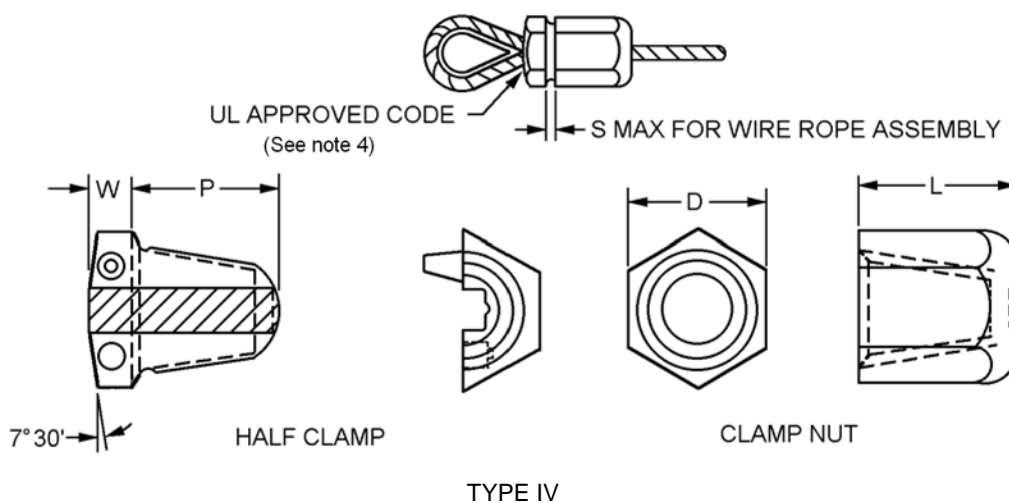
DETAIL SPECIFICATION SHEET

CLAMP, WIRE ROPE (DOUBLE GRIP),
THREADED, STEEL, TYPE IV

This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and FF-C-450.

Clamp dimensions and size see figure 1.



Dash Number	Threads per inch	Wire rope diameter		D ±.01	W ±.01	P ±.01	L ±.01	S Distance between hexagons (max)	Weight per unit pounds
-10	20	1/16	.063	.62	.19	.69	.77	.06	.08
-1	20	1/8	.125	.62	.19	.69	.77	.06	.08
-2	20	3/16	.188	.81	.22	.88	1.00	.09	.22
-3	16	1/4	.250	1.00	.25	1.03	1.12	.12	.31
-4	16	5/16	.313	1.25	.31	1.22	1.38	.19	.62
-5	16	3/8	.375	1.38	.38	1.41	1.56	.19	.81
-6	12	7/16	.438	1.62	.44	1.62	1.81	.25	1.06
-7	12	1/2	.500	1.88	.50	1.88	2.12	.25	2.00
-8	10	5/8	.625	2.25	.75	2.19	2.38	.25	3.00
-9	10	3/4	.750	2.62	.88	2.62	3.00	.25	5.25

See notes at end of figure.

FIGURE 1. Clamp, steel threaded (double grip) wire rope.

AMSC N/A

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Inches	mm	Inches	mm	Inches	mm	Inches	mm
.06	1.52	.313	7.95	.77	19.56	1.56	39.62
.063	1.60	.375	9.53	.81	20.57	1.62	41.15
.09	2.29	.38	9.65	.88	22.35	1.81	45.97
.12	3.05	.438	11.13	1.00	25.40	1.88	47.75
.125	3.18	.44	11.18	1.03	26.16	2.12	53.85
.188	4.78	.500	12.70	1.12	28.45	2.19	55.63
.19	4.83	.62	15.75	1.22	30.99	2.25	57.15
.22	5.59	.625	15.88	1.25	31.75	2.38	60.45
.25	6.35	.69	17.53	1.38	35.05	2.62	66.55
.31	7.87	.750	19.05	1.41	35.81	3.00	76.20

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. All dimensions are "reference" dimensions.
4. Marking: The clamp half shall be marked with a code approved by Underwriters Laboratory Inc.
Example: SLC.

FIGURE 1. Clamp, steel threaded (double grip) wire rope - Continued.

REQUIREMENTS:

Clamps shall be in accordance with figure 1 and table I.

Half clamps. Half clamps are made in matching pairs and parts are not interchangeable.

Material carbon steel, 1035 (UNS G10350) to 1040 (UNS G10400), shall be in accordance with SAE-J403.

Type IV nuts. When specified in the contract or purchase order the manufacturer shall magnetic particle test type IV nuts in accordance with FF-C-450.

Type IV clamp grip. Manufacturer shall furnish an Underwriter's Laboratories, Inc. approved test report. When this listing is not available, the contractor shall submit proof that the clamp grip conforms to FF-C-450.

Plating and plating designators see table I.

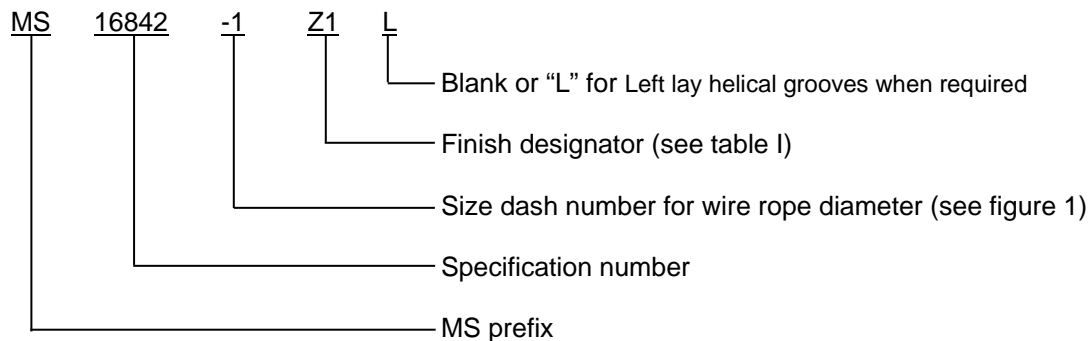
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TABLE I. Plating and plating designator.

Finish designator	Finish
A	Protective coating shall be any of the following; mechanically deposited zinc coating in accordance with ASTM-B695, class 50, type II (colored chromate), or zinc coated (hot dip galvanized) in accordance with ASTM-A153/A153M or zinc coated (electrodeposited) in accordance with ASTM-B633, Fe/Zn 5, type VI.
C	Cadmium plated, in accordance with SAE AMS-QQ-P-416, type II, class 3 (protects to 96 hours in salt spray when tested in accordance with ASTM-B117).
Z1	Zinc coating, hot-dip, in accordance with ASTM-A153/A153M.
Z2	Zinc coating (electrodeposited) in accordance with ASTM-B633, Fe/Zn 5, type VI. (protects to 120 hours in salt spray when tested in accordance with ASTM-B117).
Z3	Zinc coating, mechanically deposited, in accordance with ASTM-B695, class 50, type II (hexavalent chromium).
Z4	Zinc coating, mechanically deposited, in accordance with ASTM-B695, class 50, type I (protects to 300 hours (red rust) in salt spray when tested in accordance with ASTM-B117).
Z5	Zinc flake coating flZn/nc/TL/960h/x in accordance with ISO 10683 (protects to 960 hours in salt spray when tested in accordance with ASTM-B117).

For design feature purposes, this specification takes precedence over acquisition documents referenced herein.

Part or Identifying Number (PIN), example:



Cadmium and chromate type II, which uses a hexavalent chromium, is not recommended. To the users of this document, it is recommended that the use of carbon steel material with cadmium or chromate type II plating be used only when other materials and finishes specified in this document cannot meet performance requirements.

Class I and II ozone depleting substances (ODS) shall not be used in MS16843 or any referenced procedures.

Order of precedence. Unless otherwise noted herein or in the contract, in the event of a conflict between the text of this document and the references cited herein, the text of this document takes precedence. Nothing in this document, however, supersedes applicable laws and regulations unless a specific exemption has been obtained.

Referenced documents shall be of the issue in effect on date of invitations for bid.

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For superseded PIN's see table II.

TABLE II. Superseded PIN's.

Use	Superseded	Use	Superseded
MS16843-10C	MS16843-10	MS16843-5C	MS16843-5
MS16843-1C	MS16843-1	MS16843-6C	MS16843-6
MS16843-2C	MS16843-2	MS16843-7C	MS16843-7
MS16843-3C	MS16843-3	MS16843-8C	MS16843-8
MS16843-4C	MS16843-4	MS16843-9C	MS16843-9

Changes from previous issue. Marginal notations are not used in this revision to identify changes with respect to the previous issue, due to the extent of the changes.

Referenced documents. In addition to FF-C-450, this document references the following:

ASTM-A153/A153M	ISO 10683
ASTM-B117	SAE-AMS-QQ-P-416
ASTM-B633	SAE-J403
ASTM-B695	

CONCLUDING MATERIAL

Custodians:

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

Preparing activity:

DLA - CC

(Project 4030-2017-005)

Review activities:

Army - AT, AV, CR4, GL
Navy - MC, SA, YD
Air Force - 71

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>.