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INCH-POUND
MS16843F
9 March 2011
SUPERSEDING
MS16843E
10 April 1986

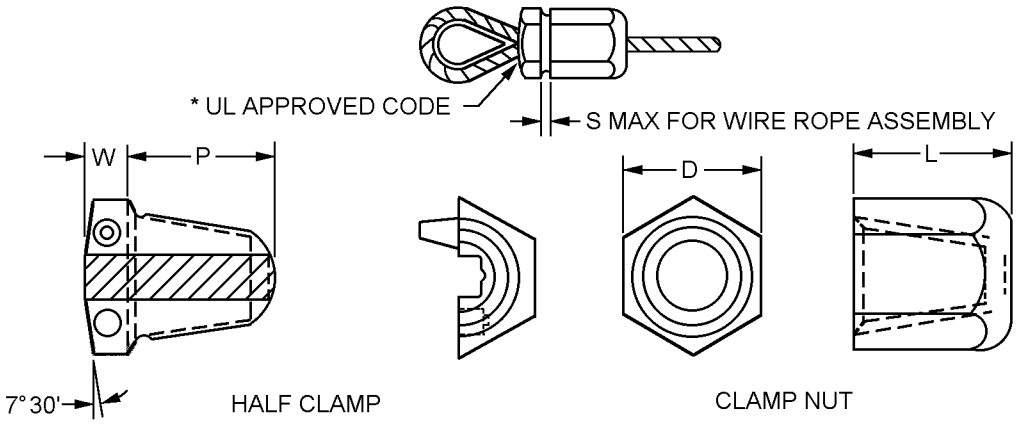
DETAIL SPECIFICATION SHEET

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

Reactivated after 9 March 2011 and may be used for new and existing designs and acquisitions.

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.



TYPE IV

Clamp dimensions and size.

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

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

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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 half-clamp.

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

REQUIREMENTS:

Clamps shall be in accordance with figure 1.

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

Protective coating:
1. Cadmium plated, in accordance with SAE AMS-QQ-P-416, Type II, Class 3.
2. Zinc coated in accordance with ASTM-A153/A153M or zinc coating (electrodeposited) in accordance with ASTM B633, Fe/Zn 5, type VI.
3. Mechanically deposited zinc coating in accordance with ASTM-B695, Type II, Class II.

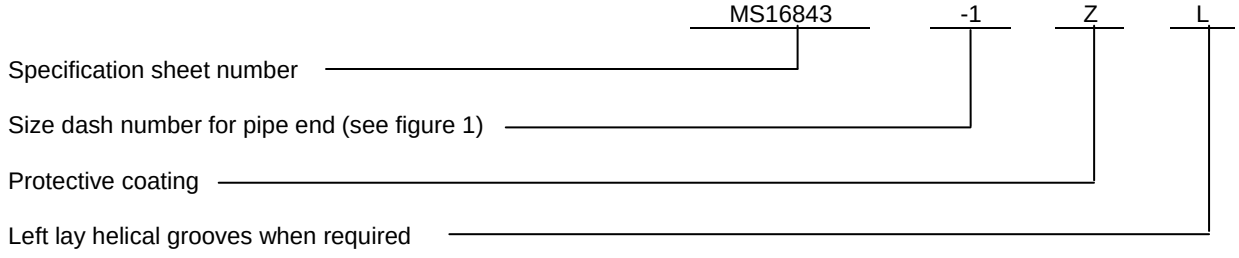
For design feature purposes, this standard takes precedence over acquisition documents referenced herein.

In the event of a conflict between the text of this specification sheet and the references cited herein, the text of this specification sheet shall take precedence.

Part or Identifying Number (PIN).

Example of a PIN: MS16843-1Z.

Coating	PIN
Cadmium	MS16843-1C
Zinc	MS16843-1Z



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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
ASTM B633
ASTM-B695
SAE AMS-QQ-P-416
SAE J403

CONCLUDING MATERIAL

Custodians:
Army – AR
Navy – SH
Air Force – 99
DLA – CC

Review activities:
Army – AT, AV, CR4, GL
Navy – MC, SA, YD
Air Force – 71

Preparing activity:
DLA – CC

(Project 4030-2010-003)

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.daps.dla.mil.