

INCH-POUND

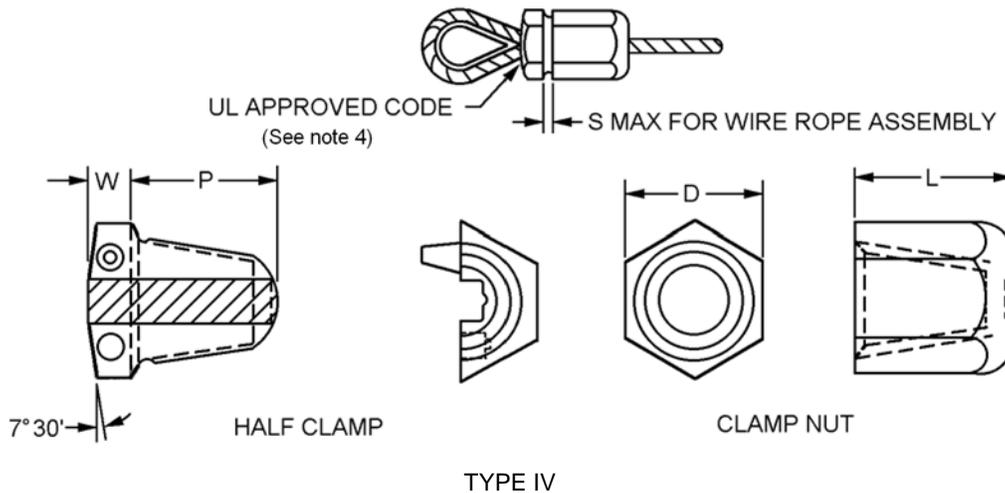
MS16843G
 16 April 2012
 SUPERSEDING
 MS16843F
 09 March 2011

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.

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:

Finish Code	Finish
A	Protective coating shall be, mechanically deposited zinc coating in accordance with ASTM-B695, class 50, type II, or zinc coated (hot dip galvanized) in accordance with ASTM-A153/A153M or zinc coating (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.
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 120hr in salt spray in accordance with ASTM-B117 and environmentally friendly)
Z3	Zinc coating, mechanically deposited, in accordance with ASTM-B695, class 50, type II (Chromate)
Z4	Zinc coating, mechanically deposited, in accordance with ASTM-B695, class 50, type I (Plain zinc; lowest cost protection, but may be environmentally friendly)

Environmental safety note:

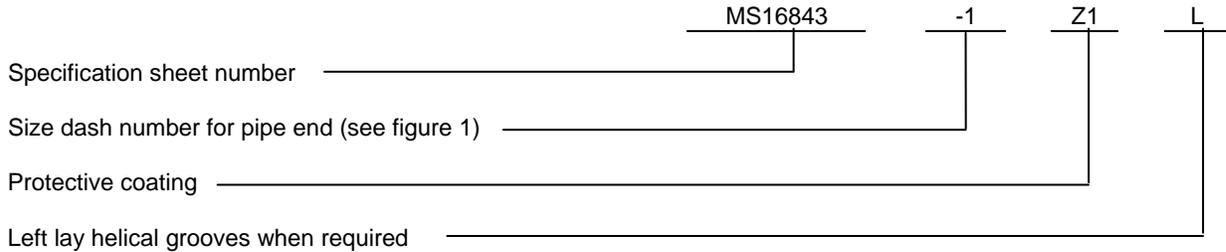
If at all possible and for a safer environment, do not use cadmium or hexavalent chromate conversion.

Recommend to use ASTM-B633, Fe/Zn 5, type VI.

For design feature purposes, this specification 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:



Changes from previous issue. The margins of this specification are marked with vertical lines to indicate where changes from the previous issue were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous issue.

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

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

CONCLUDING MATERIAL

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

Preparing activity:
 DLA – CC

(Project 4030-2012-003)

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

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