

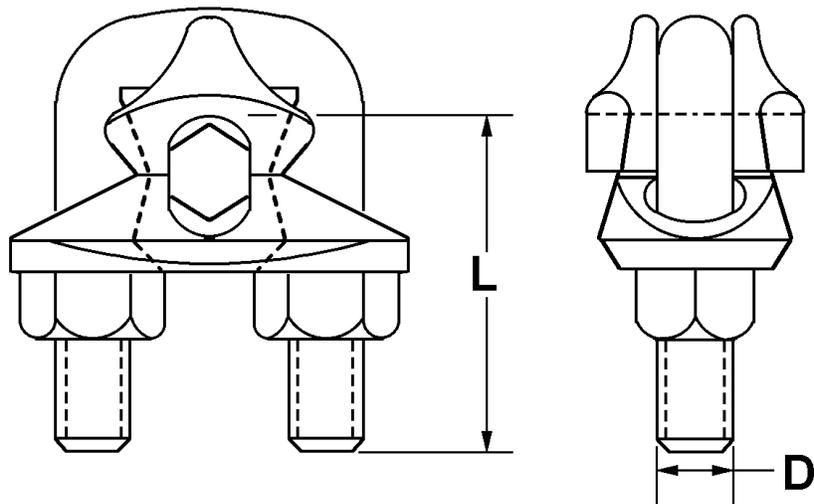
INCH-POUND  
FF-C-450/1A  
16 April 2012  
SUPERSEDING  
FF-C-450/1  
9 March 2011

DETAIL SPECIFICATION SHEET

CLAMP, WIRE ROPE, DOUBLE-GRIP, STEEL, DOUBLE SADDLED, TYPE II

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 II

FIGURE 1. Clamp, double grip double saddled wire rope.

TABLE I. Clamp dimensions and weight requirement for type II.

Dash number	Wire rope diameter	D Thread minimum	L Length minimum L	Weight pounds minimum
1	3/16 (.1875)	5/16-18 .3125 -18UNC	1.125	.30
2	1/4 (.250)	3/8-16 .3750 -16UNC	1.313	.32
3	5/16 (.3125)	3/8-16 .3750 -16UNC	1.500	.44
4	3/8 (.375)	1/2-13 .5000 -13UNC	1.750	.65
5	7/16 (.4375)	1/2-13 .5000 -13UNC	1.875	.79
6	1/2 (.500)	1/2-13 .5000 -13UNC	2.188	.80
7	9/16 (.5625)	5/8-11 .6250 -11UNC	2.438	1.28
8	5/8 (.625)	5/8-11 .6250 -11UNC	2.750	1.38
9	3/4 (.750)	5/8-11 .6250 -11UNC	3.000	1.85
10	7/8 (.875)	3/4-10 .7500 -10UNC	3.375	2.75
11	1 (1.00)	3/4-10 .7500 -10UNC	3.625	3.15
12	1-1/8 (1.125)	3/4-10 .7500 -10UNC	4.000	3.80
13	1-1/4 (1.250)	7/8-9 .8750 - 9UNC	4.375	5.24
14	1-3/8 (1.375)	7/8-9 .8750 - 9UNC	4.625	5.58
15	1-1/2 (1.500)	1.0-8 1.000 - 8UNC	5.125	7.44
16	1-3/4 (1.750)	1-1/8-7 1.125 - 7UNC	6.000	10.02
17	2 (2.000)	1-1/4-7 1.250 - 7UNC	6.000	13.00

Inches	mm										
.1875	4.76	.500	12.70	1.000	25.40	1.500	38.10	2.438	61.93	4.000	101.60
.250	6.35	.5625	14.29	1.125	28.58	1.750	44.45	2.750	69.85	4.375	111.13
.3125	7.94	.625	15.88	1.250	31.75	1.875	47.63	3.000	76.2	4.625	117.48
.375	9.53	.750	19.05	1.313	33.35	2.000	50.80	3.375	85.73	5.125	130.18
.4375	11.11	.875	22.23	1.375	34.93	2.188	55.58	3.625	92.08	6.000	152.40

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. All dimensions are "reference" dimensions.

FIGURE 1. Clamp, double grip double saddled wire rope – Continued.

REQUIREMENTS:

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

Material carbon steel shall be in accordance with FF-C-450, type I, class I.

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 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.
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 chromate conversion. Recommend to use "Z2" ASTM-B633, Fe/Zn 5, type VI.

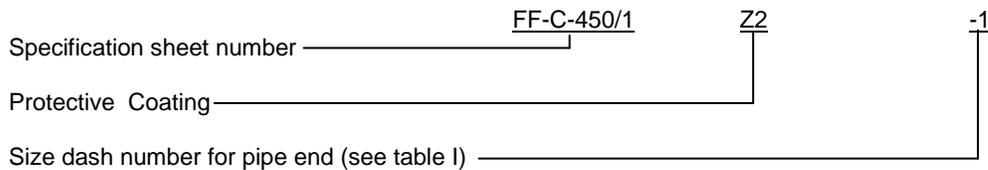
Threads shall be in accordance with FF-C-450.

Marking shall be in accordance with FF-C-450.

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), sample:



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

CONCLUDING MATERIAL

MILITARY INTERESTS:

Custodians:

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

Review activities:

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

CIVIL AGENCY COORDINATING ACTIVITY

GSA – FSA

Preparing activity:  
DLA – CC

(Project 4030-2012-007)

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.mi>.