

INCH-POUND

MS22064C
w/AMENDMENT 1
07 November 2019
SUPERSEDING
MS22064C
21 January 2014

DETAIL SPECIFICATION SHEET

CLAMP - HOSE

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.

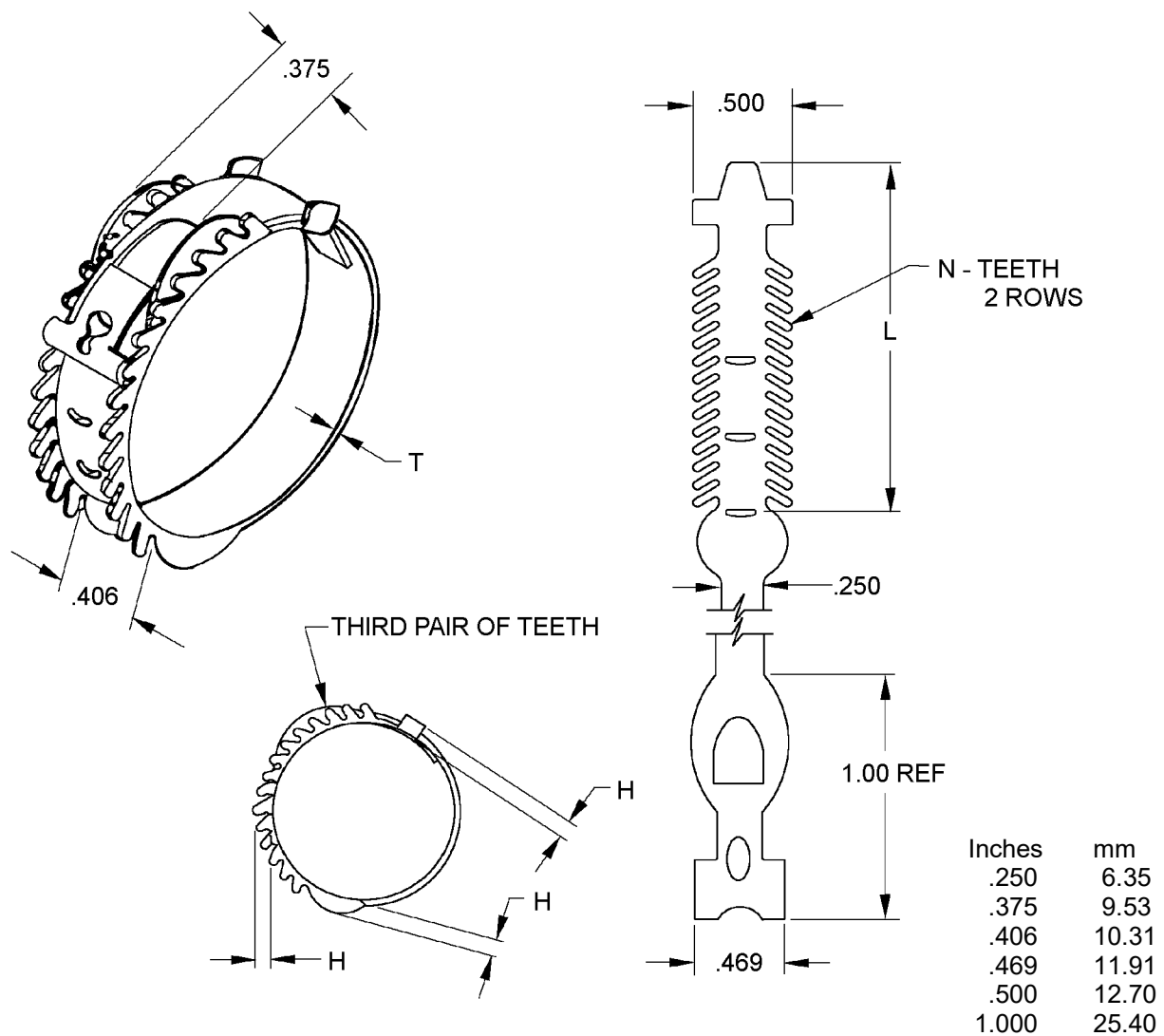


FIGURE 1. Hose clamp dimensions and configuration.

AMSC N/A

FSC 4730



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MS22064 Dash number	Hose OD inch (mm)		H Max height inch (mm)	L Tooth length inch (mm)	T Thickness inch (mm)	Number of teeth
	Min	Max				
-1	.469 (11.91)	.500 (12.70)	.093 (2.36)	1.000 (25.40)	.017 (0.43)	8
-2	.563 (14.30)	.625 (17.15)			.020 (0.51)	
-3	.688 (17.48)	.750 (19.05)		1.719 (43.66)	.022 (0.56)	14
-4	.813 (20.65)	.875 (22.23)				
-5	.938 (23.83)	1.250 (31.75)				

NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerances $\pm .010$ (0.25 mm).
4. Dimensioning and tolerancing in accordance with ASME Y14.5.

FIGURE 1. Hose clamp dimensions and configuration - Continued.

REQUIREMENTS:

The third pair of teeth shall be the minimum engagement for use of the clamp.

Materials:

Steel alloy 1070 in accordance with ASTM-A684/A684M, sheet and strip, untempered.

Heat treat to HRC 40-48.

Finish: See Table I.

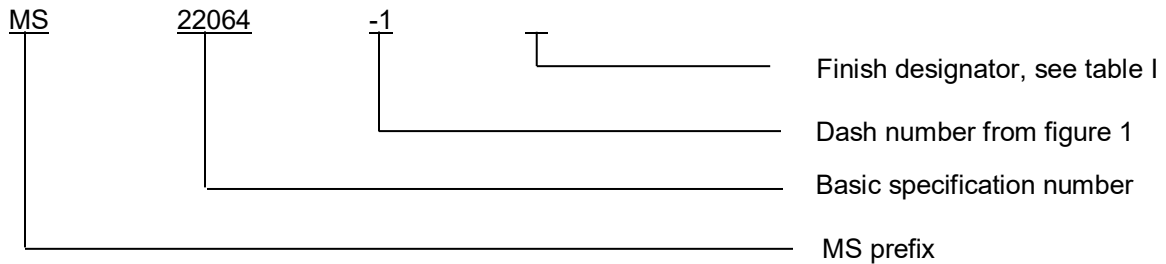
TABLE I. Chemical finish and finish designator.

Finish designator	Requirements
Blank	Phosphate coating in accordance TT-C-490 Type I followed by zinc chromate primer in accordance with TT-P-1757, Class C, Color T in accordance with SAE-AMS-STD-595/34151.
P	Zinc phosphate in accordance with MIL-DTL-16232, type Z, class 4, in accordance with SAE-AMS-STD-595/34151

For new design it is recommended that zinc phosphate coating be specified when zinc chromate is not required.

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Part or Identifying Number (PIN):



PIN examples:

MS22064-1 is for a .469 to .500 inch hose clamp zinc chromate primer coating IAW
TT-P-1757, class C, color T IAW SAE-AMS-STD-595/34151

MS22064-1P is for a .469 to .500 inch hose clamp zinc phosphate coating IAW
MIL-DTL-16232, type Z, class 4, IAW SAE-AMS-STD-595/34151

Clamp installation tool: Oetiker 14100030 or equivalent. It is recommended to remove the 2 lands for greater stroke.

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.

Amendment notations. The margins of this specification are marked with vertical lines to indicate modifications generated by this amendment. 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.

Referenced documents: This document references the following:

MIL-DTL-16232	TT-P-1757
SAE-AMS-STD-595/34151	ASME Y14.5
TT-C-490	ASTM-A684/A684M

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CONCLUDING MATERIAL

Custodians:

Army - AV
Navy - AS
Air Force - 71
DLA - CC

Preparing activity:

DLA - CC

(Project 4730-2019-077)

Review activities:

Army - MI
Navy - CG, SA

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>.