

INCH-POUND

MS22064C
 21 January 2014
 SUPERSEDING
 MS22064B
 12 January 1984

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.

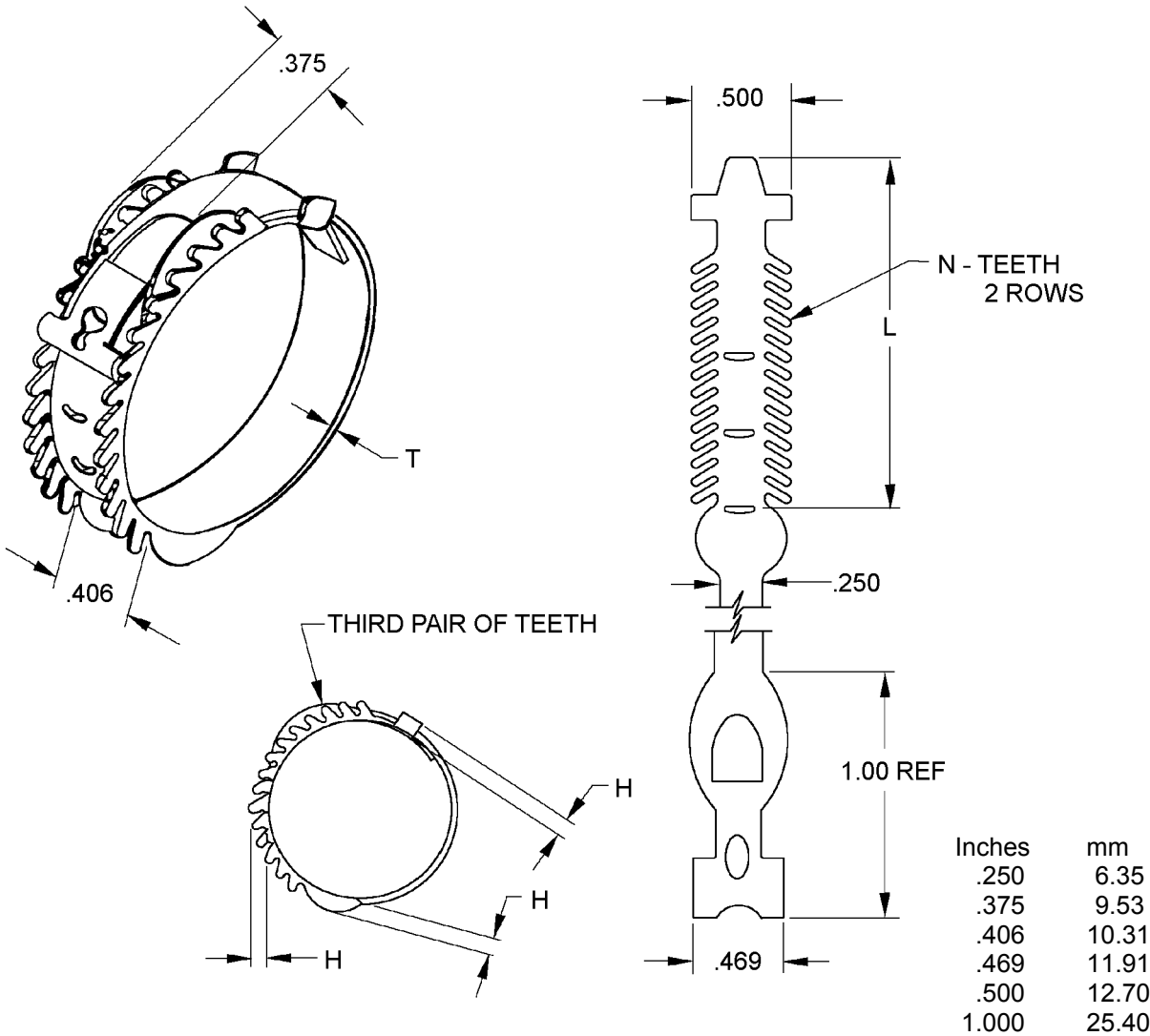


FIGURE 1. Hose clamp dimensions and configuration.

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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)				
-4	.813 (20.65)	.875 (22.23)		1.719 (43.66)	.022 (0.56)	14
-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: Phosphate coating in accordance with TT-C-490, type I, followed by a chemical finish, see table I.

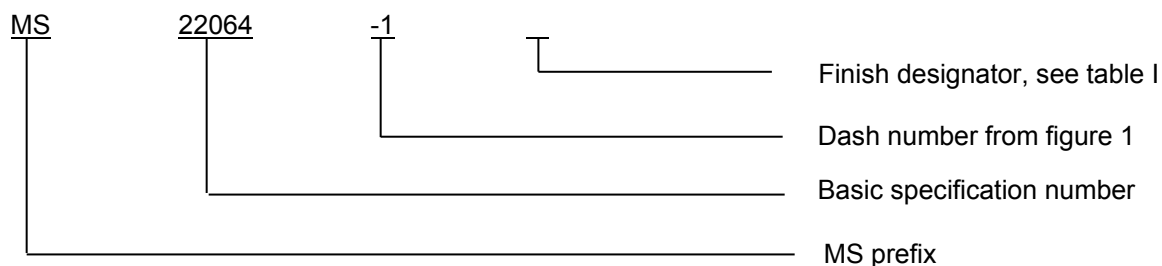
TABLE I. Chemical finish and finish designator.

Finish designator	Requirements
Blank	Zinc chromate coating in accordance with TT-P-1757, class C, color T in accordance with FED-STD-595/34151
P	Zinc phosphate in accordance with MIL-DTL-16232, type Z, class 4, in accordance with FED-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 example: MS22064-1 is for a .469 to .500 inch hose clamp zinc chromate coating.

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.

Changes from previous issues. 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: This document references the following:

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

CONCLUDING MATERIAL

Custodians:
 Army - AV
 Navy - AS
 Air Force - 99
 DLA - CC

Preparing activity:
 DLA - CC
 (Project 4730-2014-010)

Review activities:
 Army - MI
 Navy - CG, MC, SA
 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>.