

INCH-POUND

MS17185A
w/AMENDMENT 1
30 August 2013
SUPERSEDING
MS17185A
27 December 2006

DETAIL SPECIFICATION SHEET

CLAMP (SYNCHRO)

Inactive for new design after 30 March 1999, may be used for replacement purposes.

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.

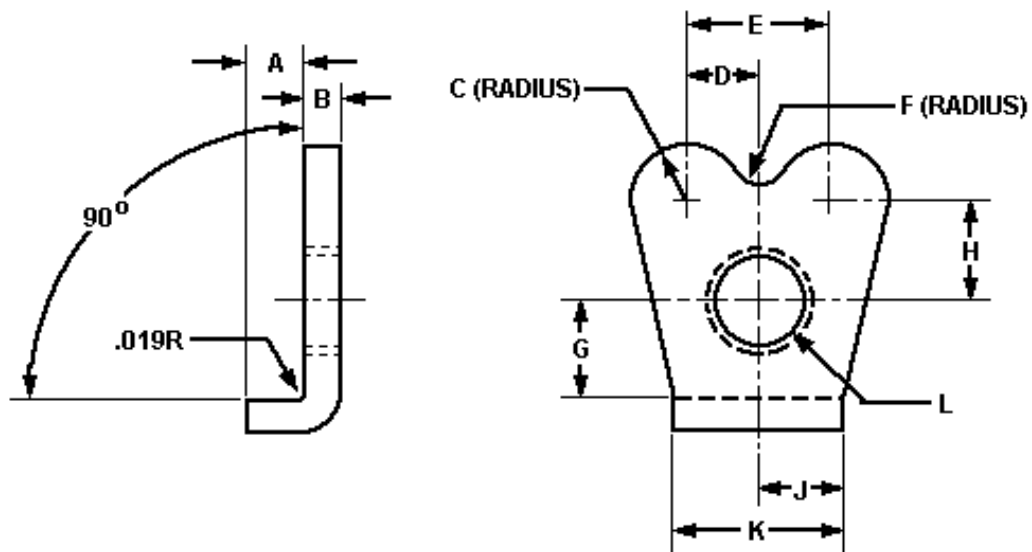


FIGURE 1. Clamp.

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Part or Identifying Number (PIN)	A	B	C	D	E	F
MS17185-1	.067 (1.702)	.037 (0.940)	.062 (1.575)	.078 (1.981)	.156 (3.962)	.040 (1.016)
MS17185-2	.101 (2.5654)	.037 (0.940)	.062 (1.575)	.078 (1.981)	.156 (3.962)	.040 (1.016)
MS17185-3	.130 (3.302)	.062 (1.575)	.094 (2.388)	.094 (2.388)	.188 (4.775)	.046 (1.168)
MS17185-4	.255 (6.477)	.062 (1.575)	.094 (2.388)	.094 (2.388)	.188 (4.775)	.046 (1.168)
MS17185-5	.165 (4.191)	.062 (1.575)	.094 (2.388)	.094 (2.388)	.188 (4.775)	.046 (1.168)

PIN	G	H	J	K	L
MS17185-1	.110 (2.794)	.110 (2.794)	.094 (2.388)	.188 (4.775)	4-48NF-2B
MS17185-2	.100 (2.54)	.110 (2.794)	.094 (2.388)	.188 (4.775)	4-48NF-2B
MS17185-3	.156 (3.962)	.156 (3.962)	.125 (3.175)	.250 (6.35)	6-40NF-2B
MS17185-4	.156 (3.962)	.156 (3.962)	.125 (3.175)	.250 (6.35)	6-40NF-2B
MS17185-5	.156 (3.962)	.156 (3.962)	.125 (3.175)	.250 (6.35)	6-40NF-2B

NOTE: Dimensions are in inches, metric equivalents are given for information only.

FIGURE 1. Clamp – Continued.

Requirements:

Material: Steel, corrosion resisting, SAE AIR4127. American Iron and Steel Institute (AISI) numbers and Society of Automotive Engineers (SAE) numbers are included for further information, AISI-301, SAE-30301.

Mechanical properties: Tensile strength, 125,000 psi. Yield strength at 0.2 percent offset 75,000 psi.

Protective Treatment: Corrosion resisting steel shall be passivated.

Dimensions: All dimensions are in inches unless otherwise specified.

Tolerances: Unless otherwise specified, decimals $\pm .003$, angles ± 1 degree.

Surface roughness: 125 $\sqrt$ ALL OVER in accordance with ASME B46.1.

Workmanship: Break edges .010 – .015 Radius.

Intended use: These clamps are included in the MS17183, "Clamp Assembly (Synchro)".

Threads: The threads shall be in accordance with FED-STD-H28.

This specification takes precedence over documents referenced herein.

The referenced documents form a part of this document to the extent specified herein. Unless otherwise specified, the issues of these documents are those cited in the solicitation or contract.

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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:

FED-STD-H28
MS17183
ASME B46.1
SAE AIR4127

CONCLUDING MATERIAL

Custodians:
Navy - AS
DLA - CC

Preparing activity:
DLA - CC

(Project 5990-2013-002)

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>.