

INCH-POUND

MS18173B
w/AMENDMENT 1
28 October 2013
SUPERSEDING
MS18173B
9 May 2012

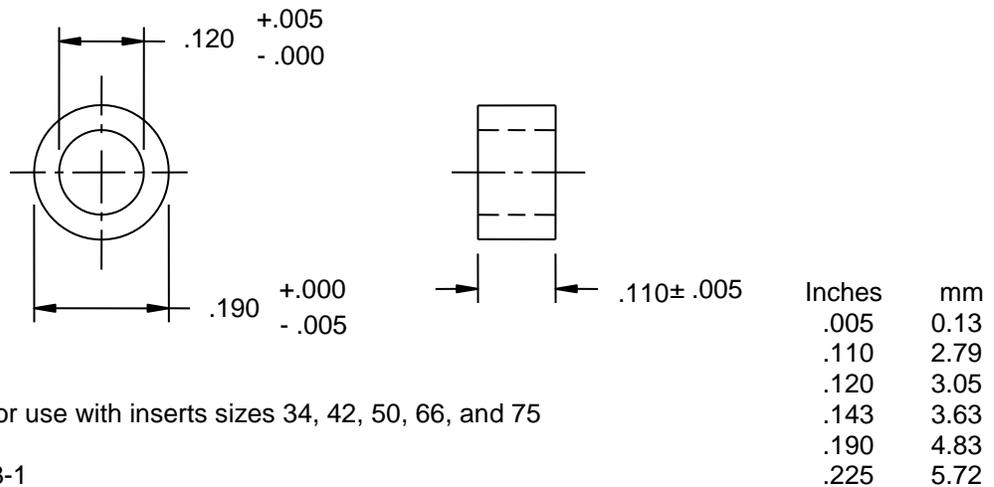
DETAIL SPECIFICATION SHEET

WASHER, FLAT

Reinstated after 3 November 2010 and may be used for new and existing designs and acquisitions.

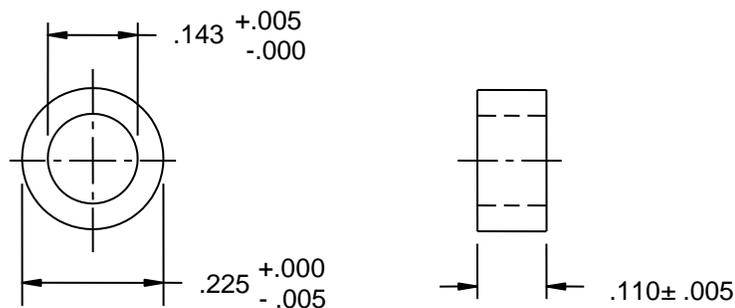
This specification is approved for use by all Departments and Agencies of the Department of Defense.

The requirements for acquiring the product described herein shall consist of this specification sheet and MIL-DTL-28748.



For use with inserts sizes 34, 42, 50, 66, and 75

Designator MS18173-1



For use with insert size 104

Designator MS18173-2

FIGURE 1. Flat washer.

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NOTES:

1. Dimensions are in inches.
2. Metric equivalents are given for information only.
3. Unless otherwise specified, tolerance is ± 0.015 inch (0.38 mm).
4. Washer: Corrosion resistant steel, in accordance with ASTM A276, ASTM A473, SAE AMS5639, SAE AMS5648, classes 304, 305, or 316, UNS S30400, S30500, S30403, S31600, or S31603.
5. Washer finish: Passivated in accordance with SAE AMS2700 and self-locking nut. Passivation treatment, method 1, type 6 or method 1, type 7.

FIGURE 1. Flat washer – Continued.

Flat washer. See figure 1.

Qualification: Qualified sources for MIL-DTL-28748/1 through MIL-DTL-28748/6 that meet the qualification testing requirements in MIL-DTL-28748 require no further testing for the hardware.

Qualification of hardware only: the hardware shall be installed in a qualified connector and shall be subjected to the tests below in accordance with MIL-DTL-28748. Sample size, if qualifying all hardware configurations, shall be two connector pairs.

Visual and mechanical inspection
Vibration
Shock
Salt spray

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. In addition to MIL-DTL-28748, this document references the following:

MIL-DTL-28748/1
MIL-DTL-28748/2
MIL-DTL-28748/3
MIL-DTL-28748/4
MIL-DTL-28748/5
MIL-DTL-28748/6
ASTM A276
ASTM A473
SAE AMS5639
SAE AMS5648
SAE AMS2700

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CONCLUDING MATERIAL

Custodians:

Army - CR
Navy - EC
Air Force - 85
DLA - CC

Preparing activity:
DLA - CC

Review activities:

Army - AM, AR, AT, CR4, MI
Navy - AS, MC, OS, SH
Air Force - 99

(Project 5935-2013-207)

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>.