

INCH-POUND

MS9178C  
 24 JANUARY 2008  
 Superseding  
 MS9178B  
 13 July 1987

MILITARY SPECIFICATION SHEET

SCREW, MACHINE - CRES, DOUBLE HEXAGON  
 EXTENDED WASHER HEAD, .164-36

Inactive for new design after 06 October 1998.

This specification sheet 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 SAE AS7478.

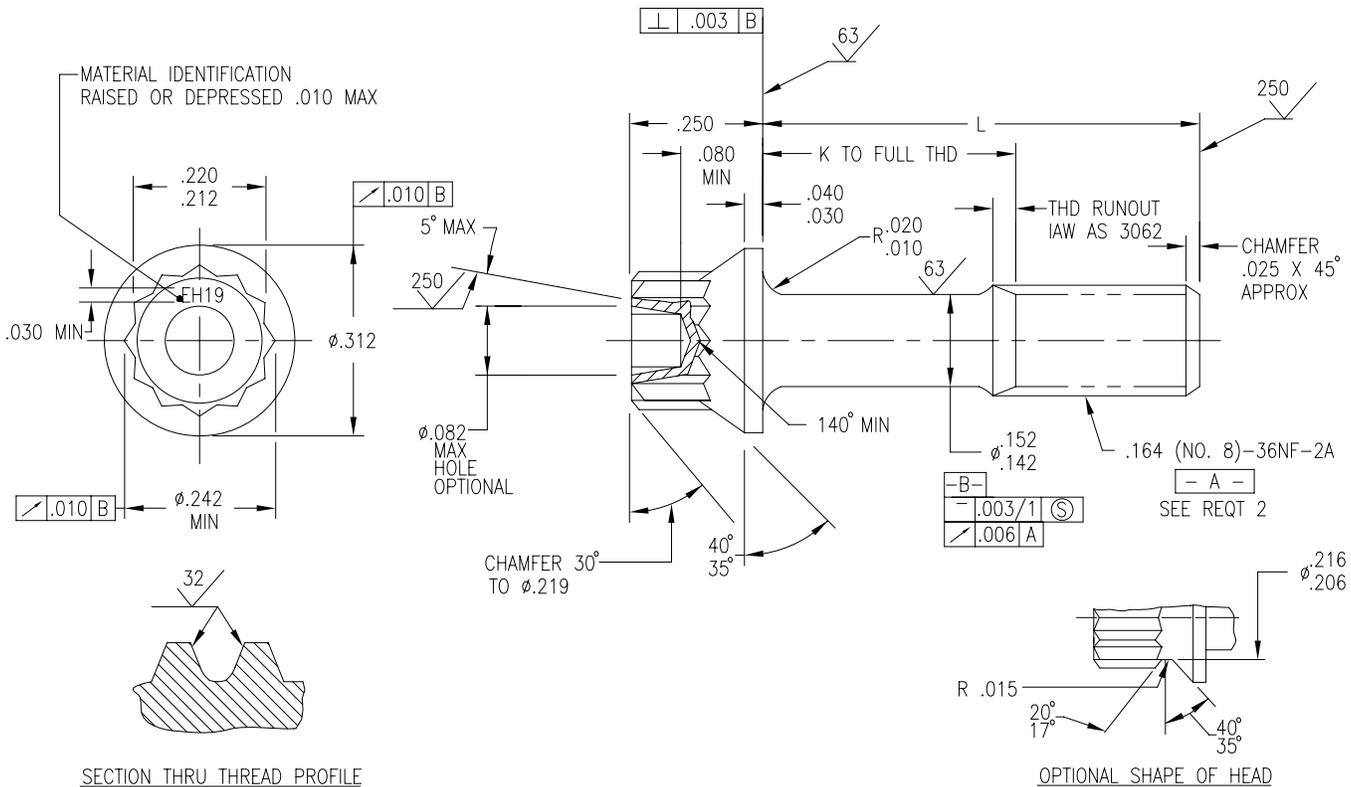


FIGURE 1. Screw, machine-CRES, double hexagon extended washer head, .164-36

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TABLE I. Dimensions and weights.

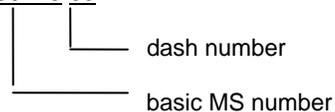
DASH NO.	L	K +.000 -.060	APPROX WEIGHT LB/100	DASH NO.	L	K +.000 -.060	APPROX WEIGHT LB/100
MS9178-03	.312	<u>1/</u>	.46	MS9178-16	1.125	.500	.86
MS9178-04	.375	<u>1/</u>	.49	MS9178-17	1.188	.562	.90
MS9178-05	.438	<u>1/</u>	.52	MS9178-18	1.250	.625	.92
MS9178-06	.500	<u>1/</u>	.55	MS9178-19	1.312	.688	.95
MS9178-07	.562	<u>1/</u>	.58	MS9178-20	1.375	.750	.98
MS9178-08	.625	<u>1/</u>	.61	MS9178-21	1.438	.812	1.01
MS9178-09	.688	<u>1/</u>	.64	MS9178-22	1.500	.875	1.04
MS9178-10	.750	.125	.67	MS9178-23	1.562	.938	1.08
MS9178-11	.812	.188	.70	MS9178-24	1.625	1.000	1.11
MS9178-12	.875	.250	.74	MS9178-25	1.688	1.062	1.14
MS9178-13	.938	.312	.77	MS9178-26	1.750	1.125	1.17
MS9178-14	1.000	.375	.80	MS9178-27	1.875	1.250	1.23
MS9178-15	1.062	.438	.83	MS9178-28	2.000	1.375	1.29

1/ Thread to head. Maximum two imperfect threads.

## REQUIREMENTS:

1. Material: Corrosion and heat resistant steel SAE AMS 5732 (UNS S66286).
2. Threads: Threads in accordance with MIL-S-7742. Incomplete threads not to enter fillet.
3. Dimensioning and tolerancing: Dimensioning and tolerancing shall be in accordance with ASME Y14.5M.
4. Wrenching configuration: Wrenching configuration in accordance with SAE AS870.
5. Surface texture: Surface texture, unless otherwise specified, shall be 125 microinches except upset head.
6. Fluorescent penetrant inspection: Fluorescent penetrant inspection shall be in accordance with ASTM E1417.
7. Tolerance: Unless otherwise specified, tolerances shall be for linear dimensions  $\pm 0.10$ , angular dimensions  $\pm 5^\circ$ .
8. Edges: Break sharp edges .003 - .015 unless otherwise specified.
9. Part number: The part shall consist of the basic MS number followed by a dash number from Table I.

Example: MS9178-03



MS9178-03 indicates: Screw, Machine-CRES, AMS 5735 Double Hexagon Extended Washer Head, .164-36, .312 Long.

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### NOTES:

1. All dimensions are in inches.
2. Do not use unassigned part numbers.
3. In the event of a conflict between the text of this standard and the references cited herein, the text of this standard shall take precedence.
4. Referenced document (or non-government) documents of the issue listed in that issue of the department of defense index of specifications and standards (DoDISS) specified in the solicitation form a part of this standard to the extent specified herein.
5. This standard was developed cooperatively with the SAE aerospace propulsion division.
6. 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.

### MILITARY INTEREST

#### Custodians:

Navy - AS  
Air Force - 99

Preparing activity:  
DLA - IS

(Project 5305-2569-000)

#### Review activities:

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 <http://assist.daps.dla.mil>