

INCH-POUND

MS9034C
 17 April 2008
 SUPERSEDING
 MS9034B
 29 AUGUST 1986

MILITARY SPECIFICATION SHEET

BOLT-MACHINE, 12 POINT HEAD, HEAT RESISTANT STEEL 250-28NS

Inactive for new design after 6 April 1967

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-AS 7478.

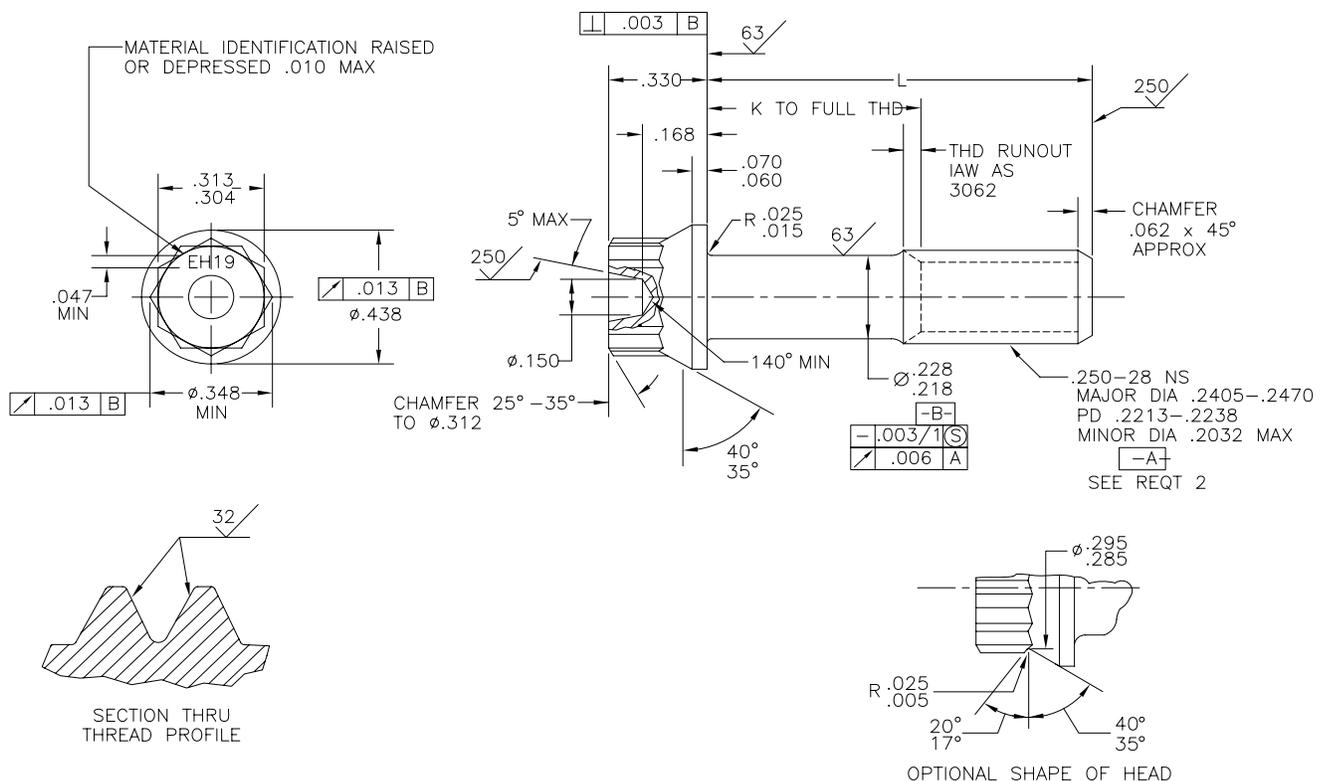


FIGURE 1. Machine bolt

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TABLE I. Dash numbers and dimensions

DASH NUMBER	L	K +.000 -.060	APPROX WEIGHT LBS/100	DASH NUMBER	L	K +.000 -.060	APPROX WEIGHT LBS/100	DASH NUMBER	L	K +.000 -.060	APPROX WEIGHT LBS/100
-06	.500	1/	1.29	-23	1.562	.812	2.50	-41	3.625	2.875	4.85
-07	.562	1/	1.36	-24	1.625	.875	2.57	-42	3.750	3.000	4.99
-08	.625	1/	1.44	-25	1.688	.938	2.64	-43	3.875	3.125	5.13
-09	.688	1/	1.51	-26	1.750	1.000	2.72	-44	4.000	3.250	5.27
-10	.750	1/	1.58	-27	1.875	1.125	2.86	-45	4.125	3.375	5.42
-11	.812	1/	1.65	-28	2.000	1.250	3.00	-46	4.250	3.500	5.56
-12	.875	.125	1.72	-29	2.125	1.375	3.14	-47	4.375	3.625	5.71
-13	.938	.188	1.79	-30	2.250	1.500	3.29	-48	4.500	3.750	5.85
-14	1.000	.250	1.86	-31	2.375	1.625	3.43	-49	4.625	3.875	6.00
-15	1.062	.312	1.93	-32	2.500	1.750	3.57	-50	4.750	4.000	6.14
-16	1.125	.375	2.00	-33	2.625	1.875	3.71	-51	4.875	4.125	6.29
-17	1.188	.438	2.08	-34	2.750	2.000	3.85	-52	5.000	4.250	6.43
-18	1.250	.500	2.15	-35	2.875	2.125	4.00	-53	5.125	4.375	6.56
-19	1.312	.562	2.22	-36	3.000	2.250	4.14	-54	5.250	4.500	6.70
-20	1.375	.625	2.29	-37	3.125	2.375	4.29	-55	5.375	4.625	6.84
-21	1.438	.688	2.36	-38	3.250	2.500	4.43	-56	5.500	4.750	6.99
-22	1.500	.750	2.43	-39	3.375	2.625	4.58	-57	5.625	4.875	7.13
				-40	3.500	2.750	4.72	-58	5.750	5.000	7.28
								-59	5.875	5.125	7.42
								-60	6.000	5.250	7.57

1/ THREAD TO HEAD. MAXIMUM TWO INCOMPLETE THREADS

REQUIREMENTS:

1. MATERIAL: HEAT RESISTANT STEEL IN ACCORDANCE WITH SAE-AMS5732.
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. SURFACE TEXTURE: SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ASME B46.1.
5. FLUORESCENT PENETRANT INSPECTION: FLUORESCENT PENETRANT INSPECTION SHALL BE IN ACCORDANCE WITH ASTM E1417.
6. TOLERANCE: UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
7. EDGES: BREAK SHARP EDGES .003 - .015 UNLESS OTHERWISE SPECIFIED.
8. PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE I.

EXAMPLE: MS9034 - 06



MS9034-06 INDICATES: BOLT, MACHINE, 12 POINT HEAD, HEAT RESISTANT STEEL, .250-28 NS; LENGTH .500.

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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 GOVERNMENT (OR NONGOVERMENT) 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. AS AND AMS ARE SAE PUBLICATIONS.
7. SUBJECT TERM (KEY WORD) LISTING.

BOLT, MACHINE, 12 POINT HEAD, HEAT RESISTANT STEEL.
8. 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.

Custodians:
Navy - AS
Air Force - 11
DLA - IS

Preparing activity:
DLA - IS

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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>