

INCH-POUND

MS9036C
 17 April 2008
 SUPERSEDING
 MS9036B
 29 AUGUST 1986

MILITARY SPECIFICATION SHEET

BOLT-MACHINE, 12 POINT HEAD, HEAT RESISTANT STEEL, .375-24 NS

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.

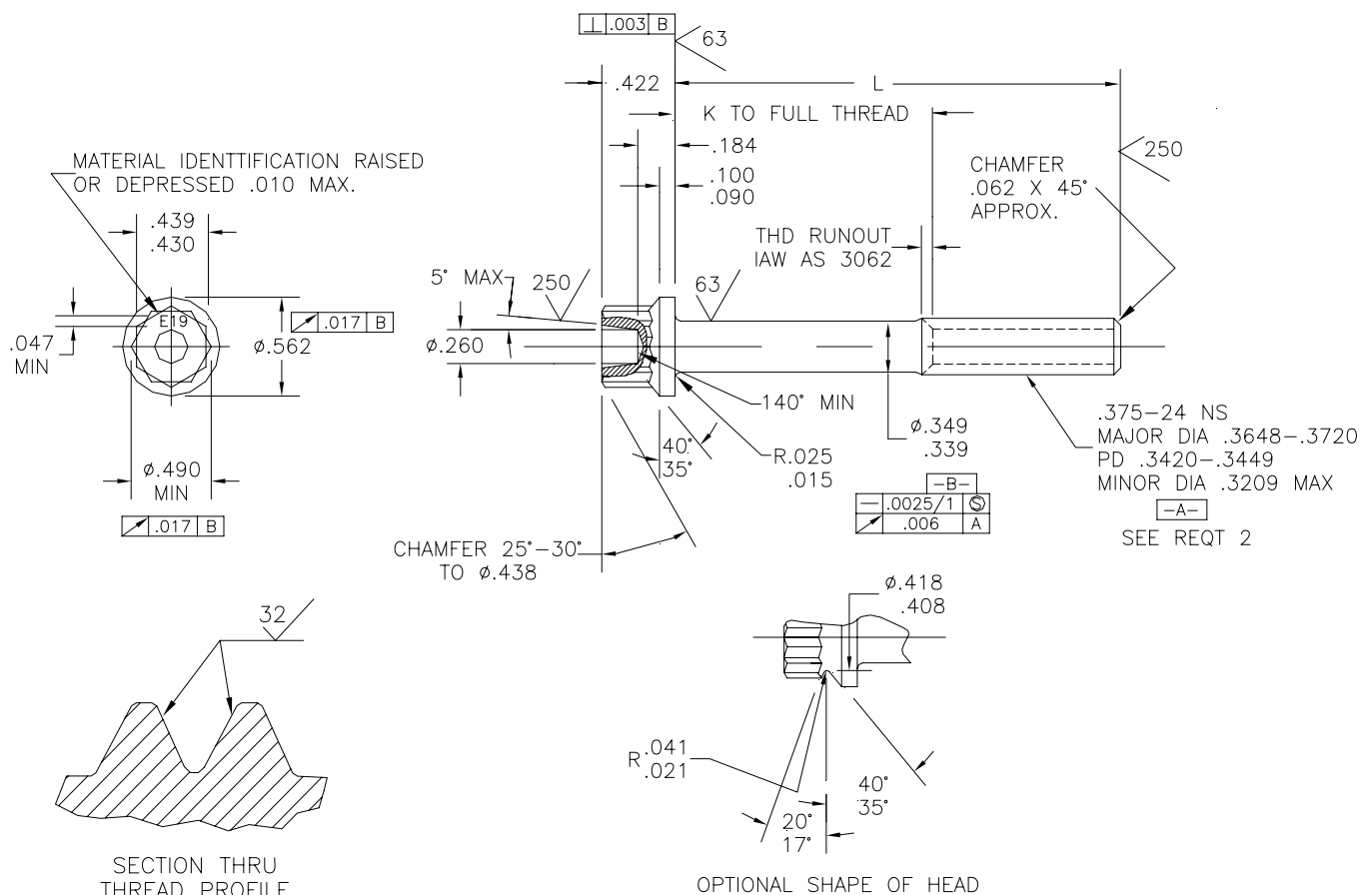


FIGURE 1. — Machine bolt

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TABLE I. Dash numbers and dimensions

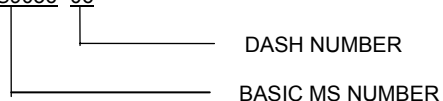
DASH NO.	L	K +.000 -.060	APPROX WEIGHT LBS/100	DASH NO.	L	K +.000 -.060	APPROX WEIGHT LBS/100	DASH NO.	L	K +.000 -.060	APPROX WEIGHT LBS/100
-06	.750	1/	3.74	-23	1.875	.875	6.77	-40	4.000	3.000	12.47
-07	.812	1/	3.90	-24	2.000	1.000	7.11	-41	4.125	3.125	12.80
-08	.875	1/	4.07	-25	2.125	1.125	7.44	-42	4.250	3.250	13.13
-09	.938	1/	4.24	-26	2.250	1.250	7.78	-43	4.375	3.375	13.46
-10	1.000	1/	4.41	-27	2.375	1.375	8.11	-44	4.500	3.500	13.89
-11	1.062	1/	4.58	-28	2.500	1.500	8.44	-45	4.625	3.625	14.23
-12	1.125	.125	4.75	-29	2.625	1.625	8.78	-46	4.750	3.750	14.56
-13	1.188	.188	4.91	-30	2.750	1.750	9.12	-47	4.875	3.875	14.89
-14	1.250	.250	5.08	-31	2.875	1.875	9.46	-48	5.000	4.000	15.23
-15	1.312	.312	5.25	-32	3.000	2.000	9.80	-49	5.125	4.125	15.57
-16	1.375	.375	5.43	-33	3.125	2.125	10.13	-50	5.250	4.250	15.90
-17	1.438	.438	5.60	-34	3.250	2.250	10.47	-51	5.375	4.375	16.23
-18	1.500	.500	5.76	-35	3.375	2.375	10.80	-52	5.500	4.500	16.56
-19	1.562	.562	5.93	-36	3.500	2.500	11.14	-53	5.625	4.625	16.89
-20	1.625	.625	6.10	-37	3.625	2.625	11.47	-54	5.750	4.750	17.23
-21	1.688	.688	6.27	-38	3.750	2.750	11.80	-55	5.875	4.875	17.57
-22	1.750	.750	6.44	-39	3.875	2.875	12.14	-56	6.000	5.000	17.91

1/ THREAD TO HEAD. MAXIMUM TWO INCOMPLETE THREADS

REQUIREMENTS:

1. MATERIAL: HEAT RESISTANCE 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 DIMENSION $\pm 5^\circ$.
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: MS9036- 06



MS9036-06 INDICATES - BOLT, MACHINE, 12 POINT HEAD, HEAT RESISTANT STEEL ,.375-24 NS, LENGTH .750.

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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 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. 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
DLA – IS

Preparing activity:
DLA – IS

(Project 5305-2008-002)

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