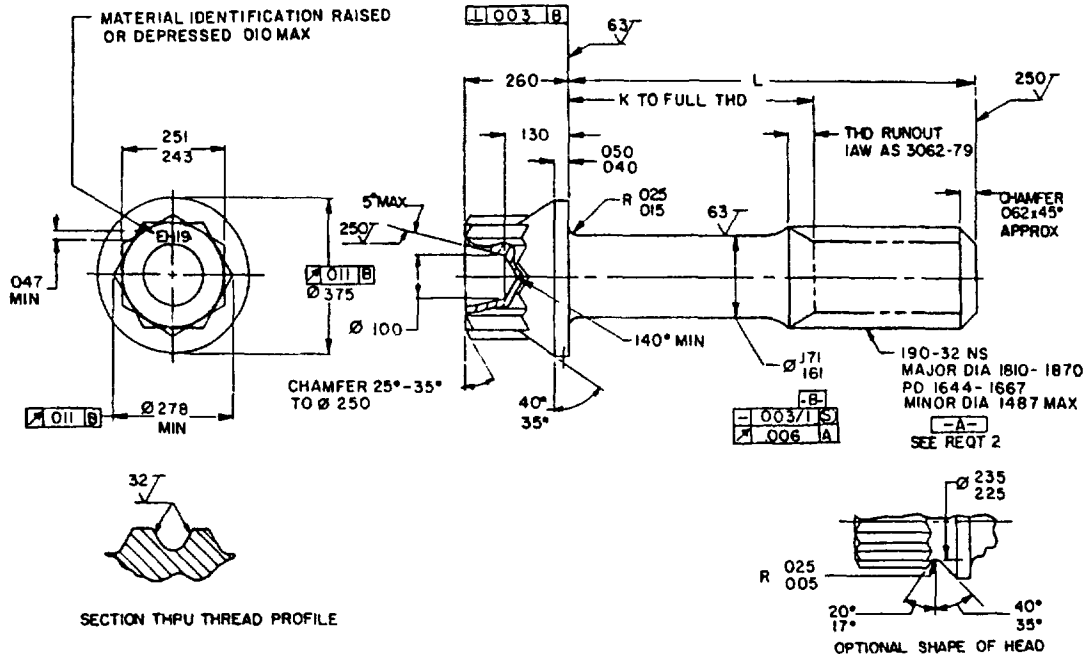


USER ACTIVITIES

REVISER ACTIVITIES  
DLA - IS



INACTIVE FOR DESIGN AFTER 6 APRIL 1967  
NO SUPERSEDING STANDARD

TABLE I DASH NUMBERS AND DIMENSIONS

DASH NUMBER	L	+ 000 - 060	APPROX WEIGHT LBS/100	DASH NUMBER	L	+ 000 - 060	APPROX WEIGHT LBS/100
-05	438	1/	95	-23	1 562	.938	1 67
-06	500	1/	99	-24	1 625	1 000	1 71
-07	562	1/	1 03	-25	1 688	1 062	1 75
-08	.625	1/	1 07	-26	1 750	1 125	1 79
-09	688	1/	1 11	-27	1 875	1 250	1 87
-10	750	125	1 15	-28	2 000	1 375	1 95
-11	812	.188	1 19	-29	2 125	1 500	2 03
-12	875	250	1 23	-30	2 250	1 625	2 11
-13	938	312	1 27	-31	2 375	1 750	2 19
-14	1 000	375	1 31	-32	2 500	1 875	2 27
-15	1 062	437	1 35	-33	2 625	2 000	2 35
-16	1 125	500	1 39	-34	2 750	2 125	2 43
-17	1 188	562	1 43	-35	2 875	2 250	2 51
-18	1 250	625	1 47	-36	3 000	2 375	2 59
-19	1 312	688	1 51				
-20	1 375	750	1 55				
-21	1 438	812	1 59				
-22	1 500	875	1 63				

1/ THREAD TO HEAD MAXIMUM TWO INCOMPLETE THREADS

(B) ENTIRE STANDARD REVISED

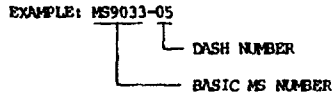
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This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document, when applicable.

NAVY-AS Other Cost	INTERNATIONAL INTEREST	TITLE BOLT-MACHINE, 12 POINT HEAD HEAT RESISTANT STEEL .190-32 NS	MILITARY STANDARD MS9033
AIR FORCE-II			PAGE 1 OF 2
PROCUREMENT SPECIFICATION AMS 7478	SUPERSEDES:		

REQUIREMENTS:

1. **MATERIAL:** HEAT RESISTANT STEEL IN ACCORDANCE WITH AMS 5732.
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 ANSI Y14.5M
4. **SURFACE TEXTURE:** SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ANSI B46.1.
5. **FLUORESCENT PENETRANT INSPECTION:** FLUORESCENT PENETRANT INSPECTION SHALL BE IN ACCORDANCE WITH AMS 2645-83.
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.



MS9033-05 INDICATES: BOLT, MACHINE, 12 POINT HEAD, HEAT RESISTANT STEEL;  
.190-32 NS; LENGTH .438.

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 NONGOVERNMENT) 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.

USER ACTIVITIES

REVIEWER ACTIVITIES:  
DLA-IS

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APPROVED 15 FEB 55 REVISED (B) FOR CHANGES SEE PAGES 1 AND 2

P. A NAVY-AS Other Cost AIR FORCE-II	INTERNATIONAL INTEREST	TITLE BOLT-MACHINE, 12 POINT HEAD HEAT RESISTANT STEEL 190-32 NS	MILITARY STANDARD MS9033
	PROCUREMENT SPECIFICATION AMS 7478	SUPERSEDES:	PAGE 2 OF 2