

FED. SUP CLASS
5306

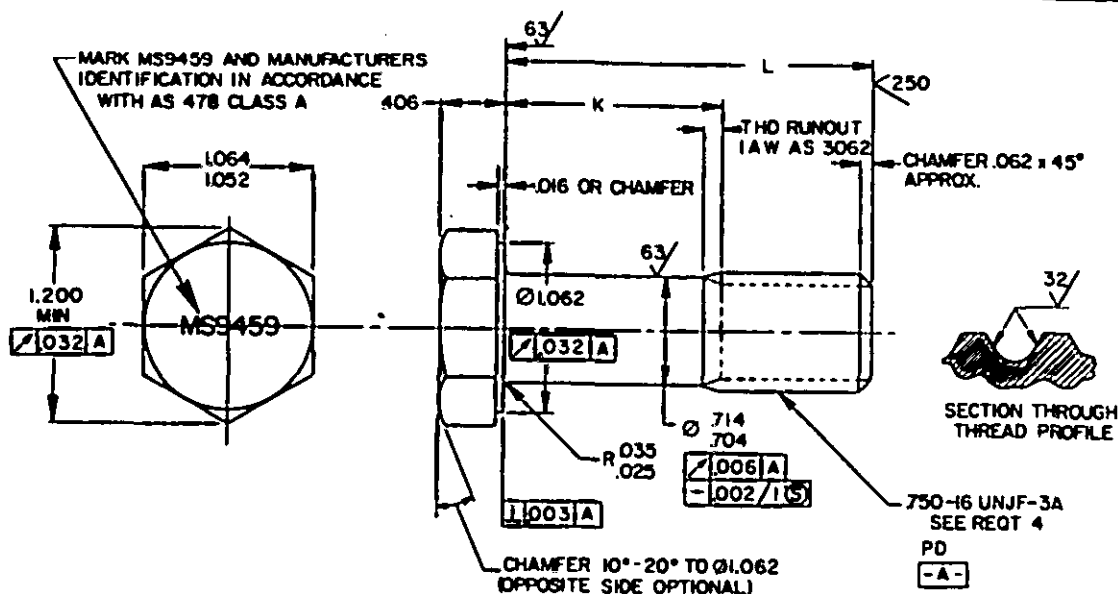


TABLE 1. DAM HEIGHTS AND DIMENSIONS.

DASH NUMBER	L	K	APPROX WEIGHT LB/100	DASH NUMBER	L	K	APPROX WEIGHT LB/100
-06	1.250	.129-.149	25.04	-31	3.625	1.815-1.875	51.47
-07	1.312	.129-.149	25.74	-32	3.750	1.940-2.000	52.86
-08	1.375	.129-.149	26.43	-33	3.875	2.065-2.125	54.25
-09	1.438	.129-.149	27.13	-34	4.000	2.190-2.250	55.64
-10	1.500	.129-.149	27.82	-35	4.125	2.315-2.375	57.03
-11	1.562	.129-.149	28.52	-36	4.250	2.440-2.500	58.42
-12	1.625	.129-.149	29.22	-37	4.375	2.565-2.625	59.81
-13	1.688	.129-.149	29.91	-38	4.500	2.690-2.750	61.20
-14	1.750	.129-.149	30.61	-39	4.625	2.815-2.875	62.59
-15	1.812	.129-.149	31.30	-40	4.750	2.940-3.000	63.98
-16	1.875	.129-.149	32.00	-41	4.875	3.065-3.125	65.37
-17	1.938	.164-.188	32.69	-42	5.000	3.190-3.250	66.76
-18	2.000	.190-.250	33.39	-43	5.125	3.315-3.375	68.15
-19	2.125	.315-.375	34.78	-44	5.250	3.440-3.500	69.54
-20	2.250	.440-.500	36.17	-45	5.375	3.565-3.625	70.93
-21	2.375	.565-.625	37.56	-46	5.500	3.690-3.750	72.33
-22	2.500	.690-.750	38.95	-47	5.625	3.815-3.875	73.72
-23	2.625	.815-.875	40.34	-48	5.750	3.940-4.000	75.11
-24	2.750	.940-1.000	41.73	-49	5.875	4.065-4.125	76.50
-25	2.875	1.065-1.125	43.12	-50	6.000	4.190-4.250	77.89
-26	3.000	1.190-1.250	44.51				
-27	3.125	1.315-1.375	45.90				
-28	3.250	1.440-1.500	47.29				
-29	3.375	1.565-1.625	48.68				
-30	3.500	1.690-1.750	50.08				

⑧ ENTIRE STANDARD REVISED

P. A.
NAVY - AS
Other Cost
AIR FORCE - II

INTERNATIONAL INTEREST

TITLE
BOLT, MACHINE, HEXAGON HEAD,
STEEL, .750-16 UNJF-3A

MILITARY STANDARD

MS 9459

PROCUREMENT SPECIFICATION	SUPERSEDED
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PAGE 1 OF 2

USER ACTIVITIES:

REVIEWER ACTIVITIES:
AIR FORCE - 82
DLA - ISThis 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.FED. SUP CLASS
5306

REQUIREMENTS:

1. MATERIAL: STEEL, IN ACCORDANCE WITH AMS 6304.
2. PROTECTIVE COATING AND SURFACE TREATMENT: DIFFUSED NICKEL-CADMIUM PLATE IN ACCORDANCE WITH AMS 2416. DIMENSIONS SPECIFIED ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
3. HARDNESS: RC42-46 MAXIMUM.
4. THREADS: THREADS IN ACCORDANCE WITH MIL-S-8879.
5. MANUFACTURING: MANUFACTURING IN ACCORDANCE WITH AMS 7455-80. PARTS SUBJECT TO MAGNETIC PARTICLE INSPECTION IN ACCORDANCE WITH AMS 2640-83 BEFORE PLATING.
6. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M.
7. SURFACE TEXTURE: SURFACE TEXTURE IN ACCORDANCE WITH AS 291-64; UNLESS OTHERWISE SPECIFIED SURFACES TO BE 125 MICROINCHES EXCEPT HEXAGON.
8. MARKING: MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION IN ACCORDANCE WITH AS 478-79 CLASS A.
9. PART NUMBER: THE PART NUMBER SHALL CONSIST OF THE BASIC MS NUMBER FOLLOWED BY A DASH NUMBER FROM TABLE 1.

EXAMPLE: MS9459-06

DASH NUMBER

BASIC MS NUMBER

MS9459-06 INDICATES: BOLT, MACHINE-STEEL AMS 6304, DIFFUSED
NICKEL-CADMIUM PLATED, HEXAGON HEAD,
.750-16 UNJF-3A, LENGTH 1.250.

NOTES:

1. ALL DIMENSIONS IN INCHES.
2. UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
3. BREAK SHARP EDGES .001-.015 UNLESS OTHERWISE SPECIFIED.
4. DO NOT USE UNASSIGNED PART NUMBERS.
5. 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.
6. 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.
7. THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE SAE AEROSPACE PROPULSION DIVISION.
8. AS AND AMS ARE SAE PUBLICATIONS.

APPROVED 12 APR 63 REVISED (B) FOR CHANGES SEE PAGES 1 AND 2

P. A. NAVY-AS Other Cost	INTERNATIONAL INTEREST	TITLE BOLT, MACHINE, HEXAGON HEAD, STEEL, .750-16 UNJF-3A	MILITARY STANDARD MS 9459
AIR FORCE-11			
PROCUREMENT SPECIFICATION	SUPERSEDED:		SHEET 2 OF 2