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NAVY - MC, OS, SH

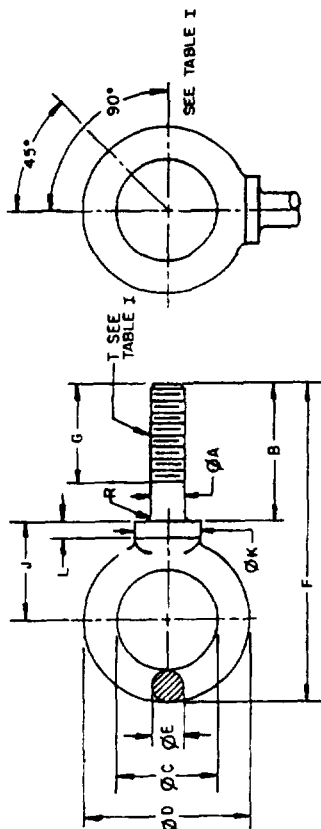


TABLE I. DASH NUMBERS AND DIMENSIONS

DASH NO	THREAD SIZE UNC-2A	THREAD SIZE UNF-2A	Ø A SHANK LENGTH	Ø B SHANK LENGTH	Ø C EYE	Ø D NOMINAL EYE	Ø E EYE SECTION	F CAPBALL LENGTH	G MINIMUM LENGTH FULL THREAD	J CENTERLINE EYE TO SHOULDER	Ø K SHOULDER	L SHOULDER HEIGHT	R PROTRUSION UNDER SHOULDER	SAFE WORKING LOAD $\frac{1}{2}$			
														0°	45°	90°	
1	.250-20	-	.25	1.00	.69	1.19	.19	2.22	.75	.69	.50	.12	.015	600	400	100	80
2	.3125-18	.250-28	.28	1.06	.81	1.44	.25	2.53	.81	.81	.56	.13	.025	620	460	115	92
3	.3125-18	.3125-24	.34	1.12	.81	1.44	.25	2.66	.81	.88	.56	.12	.015	1,200	800	200	160
22	.375-16	.3125-24	.38	1.19	.94	1.69	.31	2.97	.88	1.00	.62	.19	.025	1,325	882	221	176
23	.375-16	.375-24	.41	1.25	.94	1.69	.38	3.09	.88	1.06	.62	.12	.015	2,100	1,400	350	280
24	.4375-14	.375-24	.44	1.38	1.06	1.81	.41	3.47	1.00	1.19	.69	.19	.025	2,380	1,585	397	316
25	.500-13	.4375-20	.50	1.50	1.12	2.12	.44	3.78	1.12	1.31	.75	.19	.015	3,000	2,000	500	400
62/	.5625-12	.500-20	.53	1.62	1.25	2.25	.50	4.19	1.12	1.44	.84	.25	.025	3,350	2,230	559	445
7	.625-11	-	.56	1.75	1.31	2.25	.53	4.56	1.25	1.50	.94	.22	.020	4,395	2,927	734	585
8	.750-10	-	.62	1.75	1.31	2.56	.56	4.56	1.38	1.59	1.00	.25	.020	4,500	3,000	750	600
9	.875-9	-	.66	1.88	1.44	2.81	.62	4.94	1.38	1.72	1.06	.31	.045	6,000	4,000	1,000	800
10	1.000-8	-	.75	2.00	1.56	3.19	.69	5.06	1.62	1.72	1.12	.25	.020	9,000	6,000	1,500	1,200
11 1/2	1.125-7	-	.88	2.25	1.56	3.56	.75	5.75	1.81	2.03	1.25	.31	.045	10,000	6,600	1,670	1,330
12	1.250-7	-	.91	2.38	1.69	3.94	.81	6.19	1.81	2.22	1.44	.38	.065	12,000	8,000	2,000	1,600
13	1.500-6	-	1.06	2.50	1.69	4.06	.88	6.44	2.06	2.22	1.50	.38	.065	15,000	10,000	2,500	2,000
14	1.750-5	-	1.12	2.75	1.94	4.44	1.00	7.31	2.31	2.59	1.69	.44	.085	22,500	15,000	3,750	3,000
15	2.000-4.5	-	1.19	2.88	2.06	5.19	1.06	7.75	2.50	2.78	1.88	.50	.095	27,000	18,000	4,500	3,600
			1.34	3.12	2.25	6.00	1.16	8.44	3.00	3.03	2.00	.56	.095	33,000	22,000	5,500	4,400
			1.50	3.50	2.44	6.88	1.38	9.72	3.44	3.44	2.12	.50	.095	39,000	26,000	6,500	5,200
			1.59	3.62	2.56	7.35	1.50	10.50	3.19	3.88	2.50	.50	.060				
			1.75	3.75	2.75	8.12	1.75	11.53	3.36	4.12	2.62	.62	.095				
			2.00	4.00	3.06	8.88	1.75	11.53	3.36	4.25	2.88	.62	.060				
			2.09	4.12	3.44	9.88	1.88	12.22	3.36	4.50	3.00	.75	.095				

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$\frac{1}{2}$ APPLIES IF SHOULDER IS PROPERLY BEADED. THESE SAFE WORKING LOADS ARE BASED ON THE FOLLOWING PERCENTAGES OF MINIMUM PROOF LOADS AS SPECIFIED IN ASTM A499-83: 0° - 66.6 PER CENT, 45° - 16.7 PER CENT, 90° - 11.3 PER CENT.

$\frac{3}{4}$ MIN-PREFERRED SIZE.

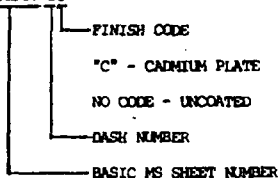
F. A. Other Cust 99	AR INTERNATIONAL INTEREST	TITLE BOLT, EYE, SHOULDER UNC-2A AND UNF-2A	MILITARY STANDARD	
			MS 51937	
PROCUREMENT SPECIFICATION MIL-B-45908	SUPERSEDES:	PAGE OF 2		

FED. SUP CLASS
5306

REQUIREMENTS:

1. **MATERIAL:** FORGED CARBON STEEL IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
2. **PROTECTIVE COATING AND SURFACE TREATMENT:** CADMIUM PLATE OR UNCOATED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
3. **THREADS:** THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 2L.
4. **PROOF LOAD:** EYE BOLTS SHALL BE TESTED IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.
5. **PART NUMBER:** THE PART NUMBER SHALL CONSIST OF THE BASIC MS SHEET NUMBER, FOLLOWED BY A DASH NUMBER TAKEN FROM TABLE I AND THE FINISH CODE LETTER "C" FOR CADMIUM PLATE, NO CODE FOR UNCOATED.

EXAMPLE: MS51937-1C



MS51937-1C INDICATES: BOLT, EYE, SHOULDER, .250-20 UNC-2A; DIMENSIONS FROM TABLE I, CADMIUM PLATE

MS51937-21 INDICATES: BOLT, EYE, SHOULDER, .250-28 UNF-2A; DIMENSIONS FROM TABLE I, UNCOATED

6. **MARKING:** MANUFACTURER'S IDENTIFICATION MARKING SHALL BE IN ACCORDANCE WITH PROCUREMENT SPECIFICATION.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES.
2. 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.
3. 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.

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APPROVED 23 APR 63 REVISED © FOR CHANGES SEE PAGE 1 AND 2

F. A. Other Cust	AR	INTERNATIONAL INTEREST	TITLE BOLT, EYE, SHOULDER UNC-2A AND UNF-2A	MILITARY STANDARD	
	99			MS51937	
PROCUREMENT SPECIFICATION MIL-B-45908		SUPERSEDES:		PAGE 2 OF 2	