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NAVY - MC, OS, SH

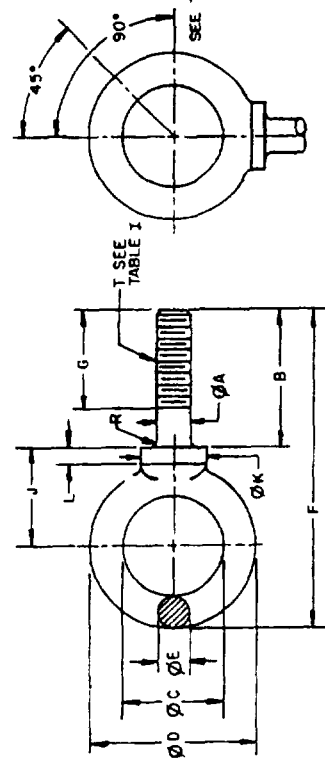


TABLE I. DASH NUMBERS AND DIMENSIONS

DASH NO	THREAD SIZE UNC-2A	THREAD SIZE UNF-2A	Ø A SHANK LENGTH	B SHANK LENGTH	Ø C EYE	Ø D NOMINAL EYE	Ø E EYE SECTION	F CONVOLUTE LENGTH	G MINIMUM FULL THREAD LENGTH	J CONVOLUTE EYE TO SHOULDER	Ø K SHOULDER	L SHOULDER HEIGHT	R RADIUS 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	400	100	80
21	.250-28	.250-28	.28	1.06	.81	1.25	.25	2.53	.81	.81	.56	.13	.025	600	160	92
2	.3125-18	.3125-24	.31	1.12	.81	1.44	.25	2.66	.81	.88	.56	.12	.015	1,200	300	160
22	.3125-16	.3125-24	.34	1.19	.94	1.44	.31	2.97	.88	1.00	.62	.19	.025	1,325	221	176
23	.375-16	.375-24	.38	1.25	.94	1.69	.38	3.07	.88	1.06	.62	.12	.015	2,100	350	280
23	.375-14	.375-24	.41	1.38	1.06	1.69	.38	3.49	.88	1.19	.69	.19	.025	2,380	397	376
24	.4375-14	.4375-20	.44	1.38	1.00	1.81	.41	3.41	1.00	1.31	.75	.19	.015	3,000	500	400
24	.4375-14	.4375-20	.47	1.50	1.12	2.12	.44	3.78	1.12	1.31	.88	.19	.015	3,350	559	445
25	.500-13	.500-20	.50	1.62	1.25	2.12	.50	4.19	1.12	1.44	.94	.25	.025	3,900	650	520
25	.5625-12	-	.56	1.62	1.19	2.25	.53	4.19	1.25	1.50	.94	.22	.020	4,395	734	585
62/	.625-11	-	.62	1.75	1.31	2.56	.56	4.56	1.38	1.59	1.00	.25	.020	4,500	750	600
7	.750-10	-	.75	2.00	1.44	2.81	.62	5.06	1.38	1.72	1.06	.31	.045	6,000	1,000	800
8	.875-9	-	.88	2.25	1.56	3.19	.75	5.75	1.62	1.91	1.12	.25	.020	9,000	1,500	1,200
9	1.000-8	-	.91	2.38	1.69	3.56	.88	6.44	1.81	2.03	1.25	.31	.045	10,000	1,670	1,330
10	1.125-7	-	1.00	2.50	1.69	3.94	.94	6.88	2.06	2.22	1.44	.38	.065	12,000	2,000	1,600
11 1/2	1.250-7	-	1.06	2.62	1.81	4.06	1.00	7.31	2.31	2.41	1.50	.44	.085	15,000	2,500	2,000
12	1.500-6	-	1.19	2.75	1.94	4.44	1.06	7.75	2.50	2.59	1.69	.50	.085	22,500	3,750	3,000
13	1.750-5	-	1.34	3.12	2.25	5.19	1.16	8.44	3.00	2.84	1.88	.50	.060	27,000	4,500	3,600
14	2.000-4.5	-	1.50	3.50	2.56	6.00	1.31	9.22	3.00	3.03	2.09	.56	.095	33,000	5,500	4,400
15	2.000-4.5	-	1.59	3.62	2.75	6.88	1.38	10.50	3.19	3.44	2.22	.62	.095	39,000	6,500	5,200
			1.75	3.75	3.06	7.75	1.50	11.53	3.38	3.88	2.50	.50	.060	22,000	5,500	4,400
			2.00	4.00	3.06	8.88	1.75	11.53	3.38	4.12	2.62	.62	.095	26,000	6,500	5,200
			2.09	4.12	3.44	8.88	1.88	12.22	3.38	4.50	3.00	.75	.095	39,000	6,500	5,200

$\frac{1}{2}$ 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.

$\frac{2}{2}$ MIN-PREFERRED SIZE.

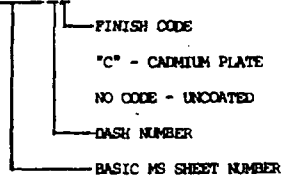
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F. A. Other Cust 99	AR INTERNATIONAL INTEREST	TITLE BOLT, EYE, SHOULDER UNC-2A AND UNF-2A	MILITARY STANDARD	
			MS 51937	
PROCUREMENT SPECIFICATION MIL-B-45908	SUPERSEDES:	PAGE OF 2		

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

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