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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K +.000 -.060	APPROX WEIGHT LB/100	PART NO.	L	K +.000 -.060	APPROX WEIGHT LB/100	PART NO.	L	K +.000 -.060	APPROX WEIGHT LB/100
MS91601-06	.750	$\frac{1}{16}$	3.74	MS91601-22	1.750	.750	6.44	MS91601-40	4.000	3.000	12.47
MS91601-07	.812	$\frac{1}{16}$	3.90	MS91601-23	1.875	.875	6.77	MS91601-41	4.125	3.125	12.80
MS91601-08	.875	$\frac{1}{16}$	4.07	MS91601-24	2.000	1.000	7.11	MS91601-42	4.250	3.250	13.13
MS91601-09	.938	$\frac{1}{16}$	4.24	MS91601-25	2.125	1.125	7.44	MS91601-43	4.375	3.375	13.46
MS91601-10	1.000	$\frac{1}{16}$	4.41	MS91601-26	2.250	1.250	7.78	MS91601-44	4.500	3.500	13.89
MS91601-11	1.062	$\frac{1}{16}$	4.58	MS91601-27	2.375	1.375	8.11	MS91601-45	4.625	3.625	14.23
MS91601-12	1.125	.125	4.75	MS91601-28	2.500	1.500	8.44	MS91601-46	4.750	3.750	14.56
MS91601-13	1.188	.188	4.91	MS91601-29	2.625	1.625	8.78	MS91601-47	4.875	3.875	14.89
MS91601-14	1.250	.250	5.08	MS91601-30	2.750	1.750	9.12	MS91601-48	5.000	4.000	15.23
MS91601-15	1.312	.312	5.25	MS91601-31	2.875	1.875	9.46	MS91601-49	5.125	4.125	15.57
MS91601-16	1.375	.375	5.43	MS91601-32	3.000	2.000	9.80	MS91601-50	5.250	4.250	15.90
MS91601-17	1.438	.438	5.60	MS91601-33	3.125	2.125	10.13	MS91601-51	5.375	4.375	16.23
MS91601-18	1.500	.500	5.76	MS91601-34	3.250	2.250	10.47	MS91601-52	5.500	4.500	16.56
MS91601-19	1.562	.562	5.93	MS91601-35	3.375	2.375	10.80	MS91601-53	5.625	4.625	16.89
MS91601-20	1.625	.625	6.10	MS91601-36	3.500	2.500	11.14	MS91601-54	5.750	4.750	17.23
MS91601-21	1.688	.688	6.27	MS91601-37	3.625	2.625	11.47	MS91601-55	5.875	4.875	17.57
				MS91601-38	3.750	2.750	11.80	MS91601-56	6.000	5.000	17.91
				MS91601-39	3.875	2.875	12.14				

$\frac{1}{16}$ THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

REQUIREMENTS:

1. MATERIAL: STEEL AMS 6322.
2. THREADS: THREADS IN ACCORDANCE WITH MIL-S-7742. INCOMPLETE THREADS NOT TO ENTER FILLET.
3. HARDNESS: 26-32 HRC.
4. FINISH: BLACK OXIDE TREATMENT IN ACCORDANCE WITH AMS 2485.
5. DIMENSIONING AND TOLERANCING: DIMENSIONING AND TOLERANCING SHALL BE IN ACCORDANCE WITH ANSI Y14.5M-1982 (ASME PUBLICATION).
6. WRENCHING CONFIGURATION: WRENCHING CONFIGURATION IN ACCORDANCE WITH AS870.
7. SURFACE TEXTURE: SURFACE TEXTURE, UNLESS OTHERWISE SPECIFIED, SHALL BE 125 MICROINCHES EXCEPT UPSET HEAD IN ACCORDANCE WITH ANSI B46.1.
8. MAGNETIC PARTICLE INSPECTION: MAGNETIC PARTICLE INSPECTION IN ACCORDANCE WITH AMS 2640.
9. TOLERANCE: UNLESS OTHERWISE SPECIFIED, TOLERANCES SHALL BE FOR LINEAR DIMENSIONS ± 0.10 , ANGULAR DIMENSION $\pm 5^\circ$.
10. EDGES: BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
11. MANUFACTURING SPECIFICATION: AMS 7452.