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				139689-31	2.750	1.565-2.025	13.29
				139689-32	2.675	1.620-1.750	13.15
				139689-33	3.000	1.015-1.075	13.20
				139689-34	3.225	1.920-2.000	13.05
				139689-35	3.125	2.055-2.125	15.11
MS9689-04	.688	.105-.125	5.78	139689-36	3.375	2.190-2.250	15.56
MS9689-05	.750	.105-.125	6.01	139689-37	3.500	2.315-2.375	16.02
MS9689-06	.812	.105-.125	6.28	139689-38	3.625	2.440-2.500	16.47
MS9689-07	.875	.105-.125	6.47	139689-39	3.750	2.565-2.625	16.93
MS9689-08	.830	.105-.125	6.69	139689-40	3.075	2.620-2.750	17.38
MS9689-09	1.000	.105-.125	6.92	139689-41	4.000	2.015-2.075	17.64
MS9689-10	1.062	.105-.125	7.15	139689-42	4.125	2.505-3.000	20.29
MS9689-11	1.125	.105-.125	7.37	139689-43	4.250	3.065-3.125	20.74
MS9689-12	1.188	.105-.125	7.60	139689-44	4.375	3.150-3.250	19.20
MS9689-13	1.250	.105-.125	7.83	139689-45	4.500	3.315-3.375	19.65
MS9689-14	1.312	.128-.183	8.06	MS9689-46	4.625	3.440-3.500	20.11
MS9689-15	1.375	.190-.250	8.28	MS9689-47	4.750	3.565-3.625	20.56
MS9689-16	1.438	.252-.312	8.51	MS9689-48	4.875	3.690-3.750	21.02
MS9689-17	1.500	.315-.375	8.74	MS9689-49	5.000	3.815-3.875	21.47
MS9689-18	1.562	.378-.438	8.97	MS9689-50	5.125	3.940-4.000	21.93
MS9689-19	1.625	.440-.500	9.19	MS9689-51	5.250	4.065-4.125	22.38
MS9689-20	1.688	.502-.562	9.42	MS9689-52	5.375	4.190-4.250	22.84
MS9689-21	1.750	.565-.625	9.65	MS9689-53	5.500	4.315-4.375	23.29
MS9689-22	1.812	.628-.688	9.88	MS9689-54	5.625	4.440-4.500	23.75
MS9689-23	1.875	.690-.750	10.10	MS9689-55	5.750	4.565-4.625	24.20
MS9689-24	1.938	.752-.812	10.33	MS9689-56	5.875	4.690-4.750	24.66
MS9689-25	2.000	.815-.875	10.56	MS9689-57	6.000	4.815-4.875	25.11
MS9689-26	2.125	.940-1.000	11.01				
MS9689-27	2.250	1.065-1.125	11.47				
MS9689-28	2.375	1.190-1.250	11.92				
MS9689-29	2.500	1.315-1.375	12.38				
MS9689-30	2.625	1.440-1.500	12.83				

1. SHAFT SHALL BE STRAIGHT WITHIN .0005 TOTAL PER INCH OF SOLE LENGTH.
2. THE CONCENTRICITY OF TREAD TO IN RELATION TO THE SHAFT SHAFT IS WITHIN .005 FIR.
3. THE CONCENTRICITY OF THE SHAFT IN RELATION TO THE MOUNTING FACE DIMENSION AND EXTENSION SHALL BE WITHIN .019 FIR.
4. INCOMPLETE TREADS NOT TO ENTER FILLIST.
5. MATERIAL: STEEL AMS 6304.
6. HARDNESS: ROCKWELL C42-46.
7. FINISH: DIFFUSED HIGH-CARBON PLATE PER AMS 2416. DIMENSIONS SPECIFIED ARE AFTER FINISH. CORNER POINTS PREFERABLE.
8. MANUFACTURING SPECIFICATION: AMS 7459.
9. MAGNETIC PARTICLE INSPECTION PER AMS 2640 BEFORE FINISH.
10. SURFACE TEXTURE: RMS 16.1-32.0. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES EXCEPT UPST READ.
11. BREAK SHARP EDGES .003-.015 UNLESS OTHERWISE SPECIFIED.
12. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS $\pm .010$, ANGULAR DIMENSIONS $\pm 5^\circ$.
13. DO NOT USE UNMOUNTED PART RANGES.

THIS STANDARD WAS DEVELOPED COOPERATIVELY WITH THE MILITARY SERVICES BY THE SAE AEROSPACE PART STANDARDS DIVISION.

P.A. Air Force - II Other Cust Navy - AS	INTERNATIONAL INTEREST AS50 AIR STD 172	TITLE BOLT, MACHINE - REMINGTON LEAD, DOTTED, 1 HOLE, PD BRANK, STEEL AND 6304, DIFFUSED THICKEN, CADMIUM PLATE, .4375-.50 UNF-3A	MILITARY STANDARD MS9689
PROCUREMENT SPECIFICATION AMS7489		SUPPLIES:	SHEET 1 OF 1

This standard has been approved by the Department of Air Force and the Air Corps of the War (AS) and is mandatory for use by all military activities. All other military activities are notified to comply this standard where possible.

RECEIVED	12 JUL 71	BRIDGE
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