

REV. B

AS9806™

FEDERAL SUPPLY CLASS  
5306

RATIONALE

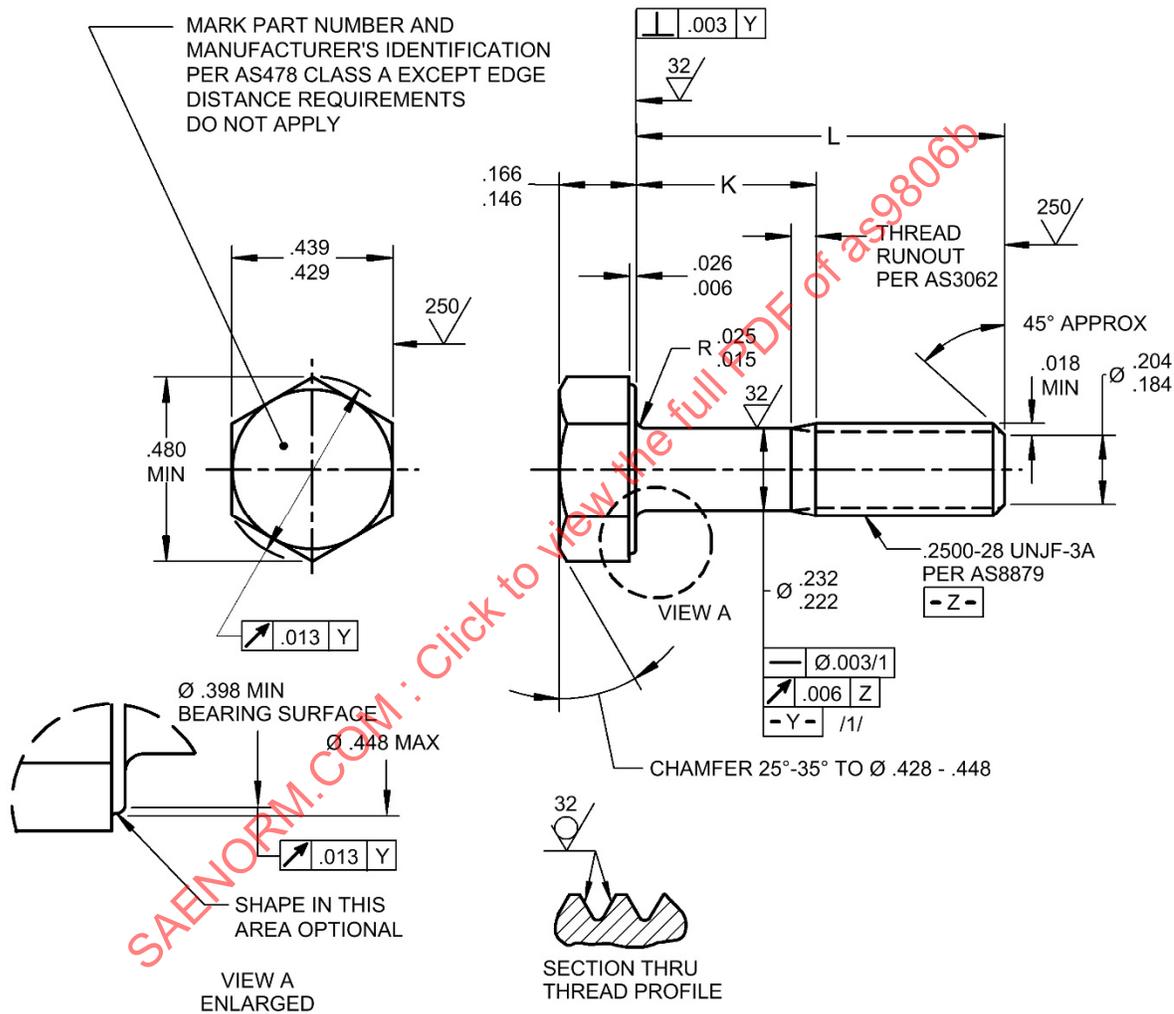
REVISE LEAD THREAD CHAMFER TO CONFORM TO AS1132, ADD NEW NOTE FOR DISPOSITION OF EXISTING INVENTORY.

NOTICE

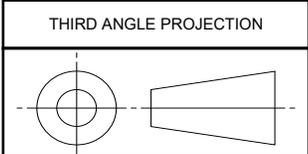
THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9806, NOTICE 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7474



**AEROSPACE STANDARD**

BOLT, MACHINE - HEXAGON HEAD, PD SHANK,  
CORROSION RESISTANT STEEL (UNS S17400),  
140 KSI UTS MIN, .2500-28 UNJF-3A

AS9806™  
SHEET 1 OF 3

REV. B

ISSUED 1998-08 REAFFIRMED 2007-06 REVISED 2020-11

**TABLE 1 - PART NUMBERS AND DIMENSIONS**

PART NO.	L	K	APPROX MASS LB/100	PART NO.	L	K	APPROX MASS LB/100
MS9806-04	.365- .385	.079- .099	1.16	MS9806-34	2.490-2.510	1.690-1.750	3.58
MS9806-05	.428- .448	.079- .099	1.23	MS9806-35	2.615-2.635	1.815-1.875	3.72
MS9806-06	.490- .510	.079- .099	1.29	MS9806-36	2.740-2.760	1.940-2.000	3.86
MS9806-07	.552- .572	.079- .099	1.36	MS9806-37	2.865-2.885	2.065-2.125	4.00
MS9806-08	.615- .635	.079- .099	1.43	MS9806-38	2.990-3.010	2.190-2.250	4.14
MS9806-09	.678- .698	.079- .099	1.50	MS9806-39	3.115-3.135	2.315-2.375	4.29
MS9806-10	.740- .760	.079- .099	1.57	MS9806-40	3.240-3.260	2.440-2.500	4.43
MS9806-11	.802- .822	.079- .099	1.65	MS9806-41	3.365-3.385	2.565-2.625	4.58
MS9806-12	.865- .885	.079- .125	1.72	MS9806-42	3.490-3.510	2.690-2.750	4.72
MS9806-13	.928- .948	.128- .188	1.79	MS9806-43	3.615-3.635	2.815-2.875	4.86
MS9806-14	.990-1.010	.190- .250	1.86	MS9806-44	3.740-3.760	2.940-3.000	5.01
MS9806-15	1.052-1.072	.252- .312	1.93	MS9806-45	3.865-3.885	3.065-3.125	5.15
MS9806-16	1.115-1.135	.315- .375	2.00	MS9806-46	3.990-4.010	3.190-3.250	5.29
MS9806-17	1.178-1.198	.378- .438	2.08	MS9806-47	4.115-4.135	3.315-3.375	5.44
MS9806-18	1.240-1.260	.440- .500	2.15	MS9806-48	4.240-4.260	3.440-3.500	5.58
MS9806-19	1.302-1.322	.502- .562	2.22	MS9806-49	4.365-4.385	3.565-3.625	5.72
MS9806-20	1.365-1.385	.565- .625	2.29	MS9806-50	4.490-4.510	3.690-3.750	5.87
MS9806-21	1.428-1.448	.628- .688	2.36	MS9806-51	4.615-4.635	3.815-3.875	6.01
MS9806-22	1.490-1.510	.690- .750	2.43	MS9806-52	4.740-4.760	3.940-4.000	6.15
MS9806-23	1.552-1.572	.752- .812	2.51	MS9806-53	4.865-4.885	4.065-4.125	6.29
MS9806-24	1.615-1.635	.815- .875	2.58	MS9806-54	4.990-5.010	4.190-4.250	6.43
MS9806-25	1.678-1.698	.878- .938	2.65	MS9806-55	5.115-5.135	4.315-4.375	6.57
MS9806-26	1.740-1.760	.940-1.000	2.72	MS9806-56	5.240-5.260	4.440-4.500	6.72
MS9806-27	1.802-1.822	1.002-1.062	2.79	MS9806-57	5.365-5.385	4.565-4.625	6.86
MS9806-28	1.865-1.885	1.065-1.125	2.86	MS9806-58	5.490-5.510	4.690-4.750	7.00
MS9806-29	1.928-1.948	1.128-1.188	2.93	MS9806-59	5.615-5.635	4.815-4.875	7.15
MS9806-30	1.990-2.010	1.190-1.250	3.01	MS9806-60	5.740-5.760	4.940-5.000	7.29
MS9806-31	2.115-2.135	1.315-1.375	3.15	MS9806-61	5.865-5.885	5.065-5.125	7.43
MS9806-32	2.240-2.260	1.440-1.500	3.29	MS9806-62	5.990-6.010	5.190-5.250	7.58
MS9806-33	2.365-2.385	1.565-1.625	3.44				

NOTES:

- 1/1/ FOR PART NUMBERS MS9806-4 THRU MS9806-16, DATUM Z SHALL REPLACE DATUM Y.
2. PROCUREMENT SPECIFICATION: AS7474.
3. MATERIAL: AMS5643 CORROSION RESISTANT STEEL (COMPOSITION SIMILAR TO UNS S17400).
4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MIN.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra, EXCEPT UPSET HEAD.
6. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
7. DIMENSIONS AND TOLERANCING: ANSI Y14.5M-1982 (ASME PUBLICATION).
8. DIMENSIONS ARE IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: LINEAR DIMENSIONS ±.010, ANGULAR DIMENSIONS ±5°.
9. DO NOT USE UNASSIGNED PART NUMBERS.

	<b>AEROSPACE STANDARD</b>	<b>AS9806™</b> SHEET 2 OF 3	<b>REV.</b> <b>B</b>
	BOLT, MACHINE - HEXAGON HEAD, PD SHANK, CORROSION RESISTANT STEEL (UNS S17400), 140 KSI UTS MIN, .2500-28 UNJF-3A		