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AS9707™

RATIONALE

NEW PART STANDARD TO REPLACE MS9707.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9707A. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL'S) MAY CONTINUE TO BE MANDATORY FOR DoD CONTRACTS. REQUIREMENTS RELATING TO QPL'S HAVE NOT BEEN ADOPTED BY THE SAE FOR THIS STANDARD AND ARE NOT PART OF THIS SAE DOCUMENT.

FEDERAL SUPPLY CLASS
5306

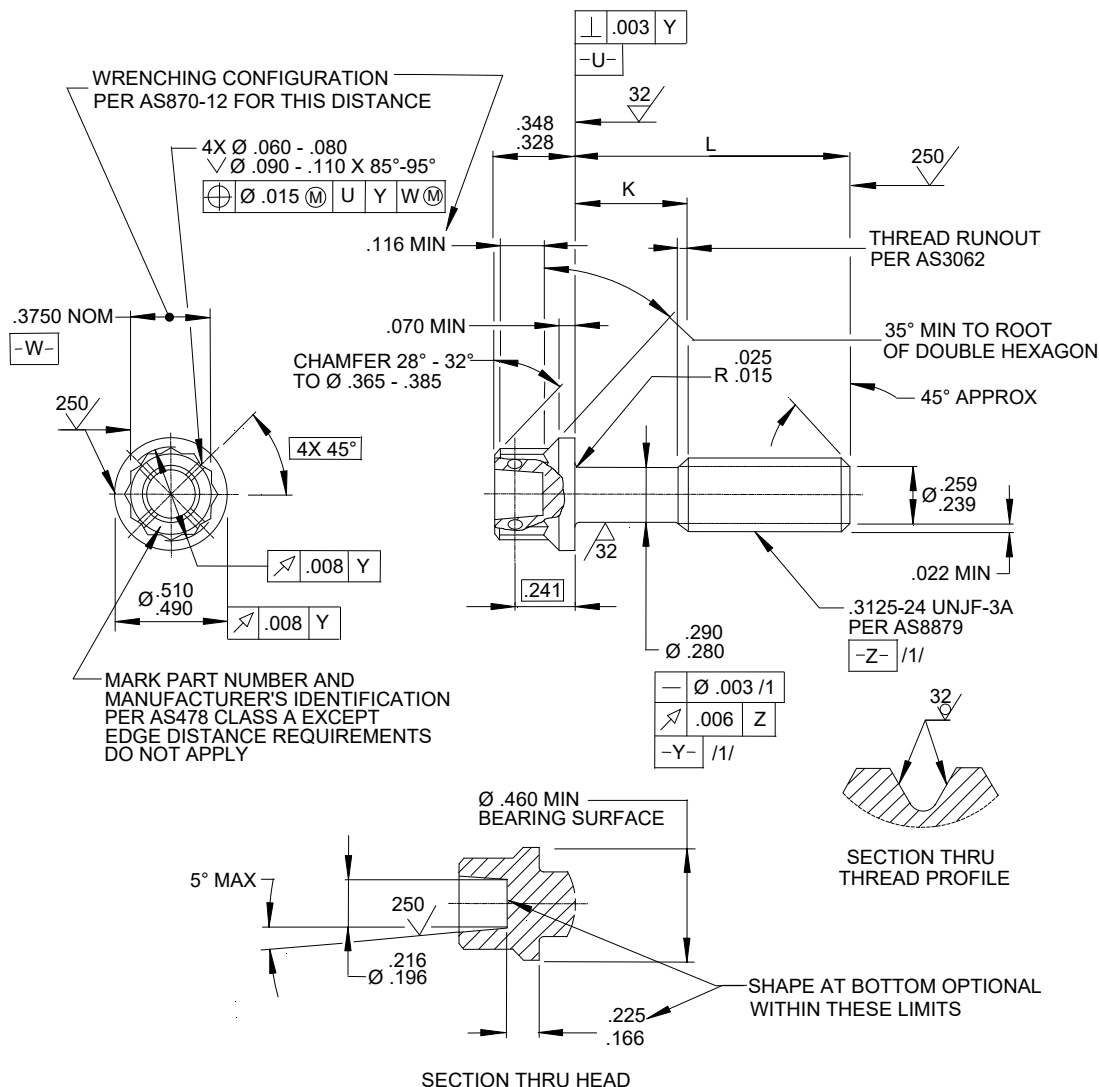
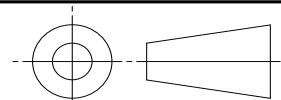


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9707>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON EXTENDED
WASHER HEAD, DRILLED, NICKEL ALLOY
(UNS N07001), .3125-24 UNJF-3A

AS9707™
SHEET 1 OF 3



Documents

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX MASS LB/100	PART NUMBER	L	K	APPROX MASS LB/100
MS9707-04	.490- .510	.088- .108	2.17	MS9707-34	2.865-2.885	1.940-2.000	6.66
MS9707-05	.552- .572	.088- .108	2.29	MS9707-35	3.990-4.010	2.065-2.125	6.90
MS9707-06	.615- .635	.088- .108	2.41	MS9707-36	3.115-3.135	2.190-2.250	7.13
MS9707-07	.678- .698	.088- .108	2.52	MS9707-37	3.240-3.260	2.315-2.375	7.36
MS9707-08	.740- .760	.088- .108	2.64	MS9707-38	3.365-3.385	2.440-2.500	7.60
MS9707-09	.802- .822	.088- .108	2.76	MS9707-39	3.490-4.010	2.565-2.625	7.84
MS9707-10	.865- .885	.088- .108	2.88	MS9707-40	3.615-3.635	2.690-2.750	8.07
MS9707-11	.928- .948	.088- .108	3.00	MS9707-41	3.740-3.760	2.815-2.875	8.31
MS9707-12	.990-1.010	.088- .125	3.11	MS9707-42	3.865-3.885	2.940-3.000	8.54
MS9707-13	1.052-1.072	.128- .188	3.23	MS9707-43	3.990-4.010	3.065-3.125	8.78
MS9707-14	1.115-1.135	.190- .250	3.35	MS9707-44	4.115-4.135	3.190-3.250	9.02
MS9707-15	1.178-1.198	.252- .312	3.47	MS9707-45	4.240-4.260	3.315-3.375	9.25
MS9707-16	1.240-1.260	.315- .375	3.59	MS9707-46	4.365-4.385	3.440-3.500	9.49
MS9707-17	1.302-1.322	.378- .438	3.70	MS9707-47	4.490-4.510	3.565-3.625	9.72
MS9707-18	1.365-1.385	.440- .500	3.82	MS9707-48	4.615-4.635	3.690-3.750	9.96
MS9707-19	1.428-1.448	.502- .562	3.94	MS9707-49	4.740-4.760	3.815-3.875	10.20
MS9707-20	1.490-1.510	.565- .625	4.06	MS9707-50	4.865-4.885	3.940-4.000	10.43
MS9707-21	1.552-1.572	.628- .688	4.18	MS9707-51	4.990-5.010	4.065-4.125	10.67
MS9707-22	1.615-1.635	.690- .750	4.29	MS9707-52	5.115-5.135	4.190-4.250	10.91
MS9707-23	1.678-1.698	.752- .812	4.41	MS9707-53	5.240-5.260	4.315-4.375	11.14
MS9707-24	1.740-1.760	.815- .875	4.53	MS9707-54	5.365-5.385	4.440-4.500	11.38
MS9707-25	1.802-1.822	.877- .937	4.65	MS9707-55	5.490-5.510	4.565-4.625	11.61
MS9707-26	1.865-1.885	.940-1.000	4.77	MS9707-56	5.615-5.635	4.690-4.750	11.85
MS9707-27	1.990-2.010	1.065-1.125	5.00	MS9707-57	5.740-5.760	4.815-4.875	12.09
MS9707-28	2.115-2.135	1.190-1.250	5.24	MS9707-58	5.865-5.885	4.940-5.000	12.32
MS9707-29	2.240-2.260	1.315-1.375	5.48	MS9707-59	5.990-6.010	5.065-5.125	12.56
MS9707-30	2.365-2.385	1.440-1.500	5.71				
MS9707-31	2.490-2.510	1.565-1.625	5.95				
MS9707-32	2.615-2.635	1.690-1.750	6.19				
MS9707-33	2.740-2.760	1.815-1.875	6.42				

NOTES:

- /1/ FOR PARTS NUMBERS MS9707-04 THRU MS9707-14, DATUM Z SHALL REPLACE DATUM Y.
2. MATERIAL: AMS5708 (COMPOSITION SIMILAR TO UNS N07001).
- /3/ PROCUREMENT SPECIFICATION: AS7471.
4. HEAD TO SHANK FILLET SHOULD NOT BE COLD ROLLED FOR DASH NUMBERS -14 AND SMALLER.
5. FLUORESCENT PENETRANT INSPECT PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2.
6. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
7. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
8. DIMENSIONS ARE IN INCHES.
9. DIMENSIONING AND TOLERANCING PER ASME Y14.5M-1983.
10. DO NOT USE UNASSIGNED PART NUMBERS.

	AEROSPACE STANDARD	AS9707™ SHEET 2 OF 3	
	BOLT, MACHINE - DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, NICKEL ALLOY (UNS N07001), .3125-24 UNJF-3A		

