FEDERAL SUPPLY CLASS
5306

RATIONALE

UPDATE TO ASME Y14.5-2018. REVISE LIGHTENING HOLE DIMENSIONS TO AS1132. REVISE FILLET RADIUS TO "CR." ADD "COMPOSITION SIMILAR TO" TO NOTE 2.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9734(ASG), NOTICE 1. 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.

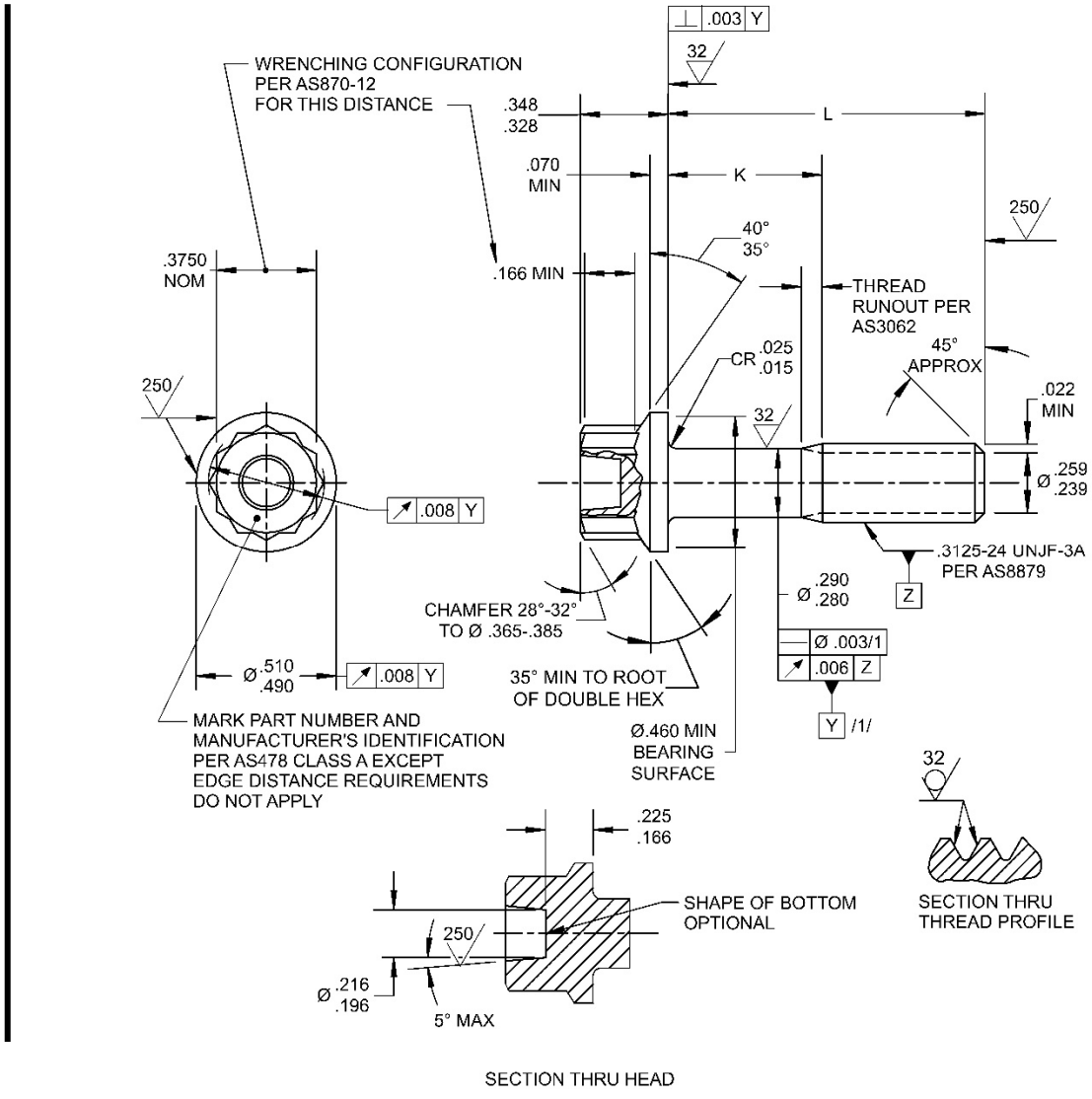
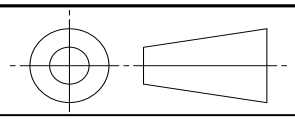


FIGURE 1 - BOLT

For more information on this standard, visit
https://www.sae.org/standards/content/AS9734C/

THIRD ANGLE PROJECTION



ISSUED 1998-11 REAFFIRMED 2005-05 REVISED 2023-05

CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7474

SAE INTERNATIONAL

AEROSPACE STANDARD

BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED WASHER HEAD, PD SHANK, CRES AMS5643, .3125-24 UNJF-3A

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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX MASS LB/100
MS9734-04	.490- .510	.088- .108	2.18
MS9734-05	.552- .572	.088- .108	2.29
MS9734-06	.615- .635	.088- .108	2.40
MS9734-07	.678- .698	.088- .108	2.51
MS9734-08	.740- .760	.088- .108	2.62
MS9734-09	.802-. 822	.088- .108	2.73
MS9734-10	.865- .885	.088- .108	2.84
MS9734-11	.928- .948	.088- .108	2.95
MS9734-12	.990-1.010	.088- .125	3.07
MS9734-13	1.052-1.072	.128- .188	3.18
MS9734-14	1.115-1.135	.190- .250	3.29
MS9734-15	1.178-1.198	.252- .312	3.40
MS9734-16	1.240-1.260	.315- .375	3.51
MS9734-17	1.302-1.322	.378- .438	3.62
MS9734-18	1.365-1.385	.440- .500	3.73
MS9734-19	1.428-1.448	.502- .562	3.85
MS9734-20	1.490-1.510	.565- .625	3.96
MS9734-21	1.552-1.572	.628- .688	4.07
MS9734-22	1.615-1.635	.690- .750	4.18
MS9734-23	1.678-1.698	.752- .812	4.29
MS9734-24	1.740-1.760	.815- .875	4.40
MS9734-25	1.802-1.822	.877- .937	4.51
MS9734-26	1.865-1.885	.940-1.000	4.63
MS9734-27	1.990-2.010	1.065-1.125	4.85
MS9734-28	2.115-2.135	1.190-1.250	5.07
MS9734-29	2.240-2.260	1.315-1.375	5.30
MS9734-30	2.365-2.385	1.440-1.500	5.52
MS9734-31	2.490-2.510	1.565-1.625	5.74
MS9734-32	2.615-2.635	1.690-1.750	5.96
MS9734-33	2.740-2.760	1.815-1.875	6.19

PART NO.	L	K	APPROX MASS LB/100
MS9734-34	2.865-2.885	1.940-2.000	6.41
MS9734-35	2.990-3.010	2.065-2.125	6.63
MS9734-36	3.115-3.135	2.190-2.250	6.86
MS9734-37	3.240-3.260	2.315-2.375	7.08
MS9734-38	3.365-3.385	2.440-2.500	7.30
MS9734-39	3.490-3.510	2.565-2.625	7.52
MS9734-40	3.615-3.635	2.690-2.750	7.75
MS9734-41	3.740-3.760	2.815-2.875	7.97
MS9734-42	3.865-3.885	2.940-3.000	8.19
MS9734-43	3.990-4.010	3.065-3.125	8.42
MS9734-44	4.115-4.135	3.190-3.250	8.64
MS9734-45	4.240-4.260	3.315-3.375	8.86
MS9734-46	4.365-4.385	3.440-3.500	9.09
MS9734-47	4.490-4.510	3.565-3.625	9.31
MS9734-48	4.615-4.635	3.690-3.750	9.53
MS9734-49	4.740-4.760	3.815-3.875	9.76
MS9734-50	4.865-4.885	3.940-4.000	9.98
MS9734-51	4.990-5.010	4.065-4.125	10.20
MS9734-52	5.115-5.135	4.190-4.250	10.42
MS9734-53	5.240-5.260	4.315-4.375	10.65
MS9734-54	5.365-5.385	4.440-4.500	10.86
MS9734-55	5.490-5.510	4.565-4.625	11.08
MS9734-56	5.615-5.635	4.690-4.750	11.31
MS9734-57	5.740-5.760	4.815-4.875	11.53
MS9734-58	5.865-5.885	4.940-5.000	11.75
MS9734-59	5.990-6.010	5.065-5.125	11.98

NOTES:

/1/ FOR PART NUMBERS MS9734-04 THROUGH MS9734-18, THE THREAD PD (DATUM **Z**) SHALL REPLACE DATUM **Y**.

2. MATERIAL: CORROSION RESISTANT STEEL PER AMS5643 (COMPOSITION SIMILAR TO UNS S17400).

3. PROCUREMENT SPECIFICATION: AS7474.

4. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M, TYPE 1, SENSITIVITY LEVEL 2 MINIMUM.

5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.

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