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AS9718™

FEDERAL SUPPLY CLASS
5306

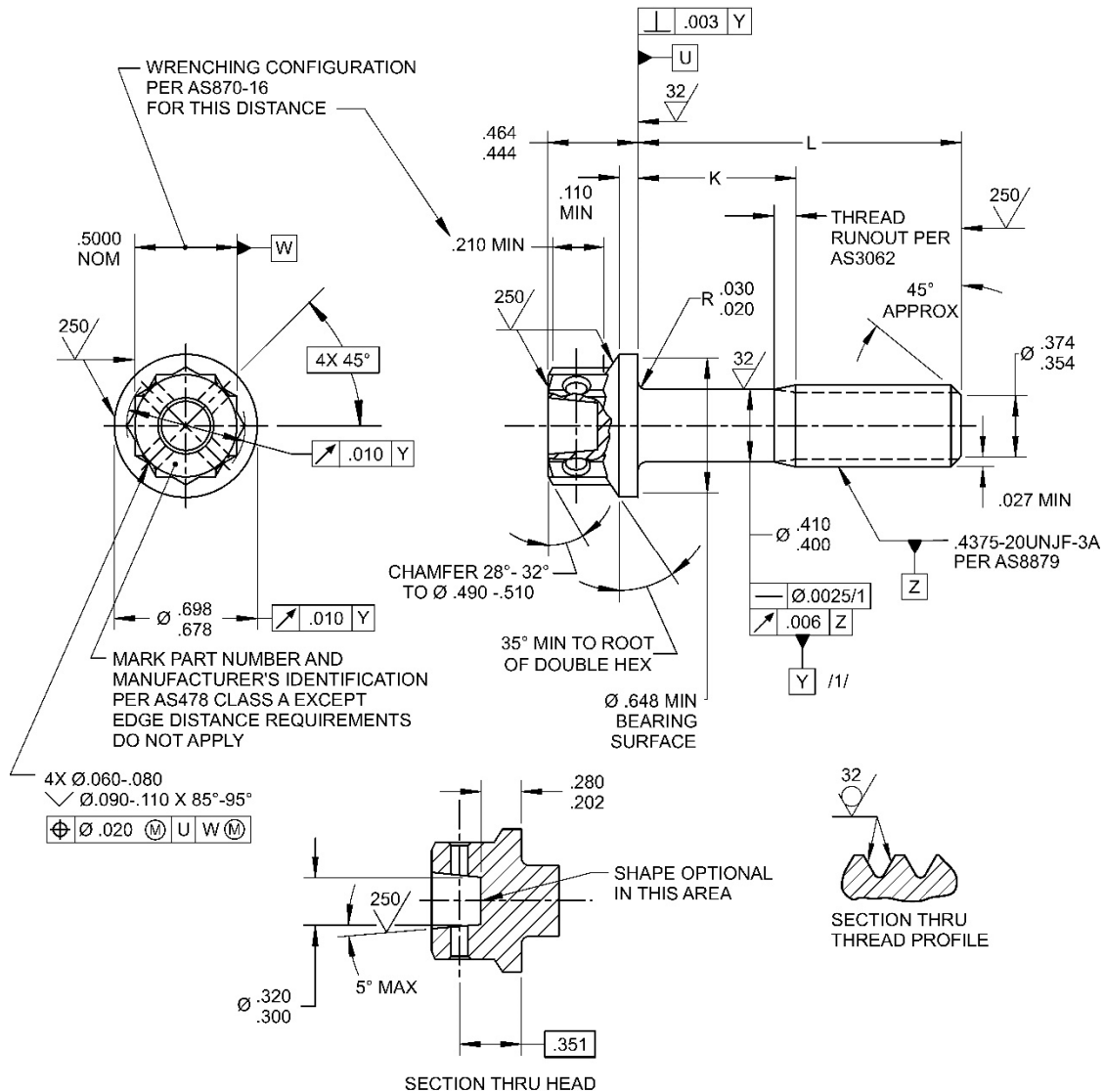
RATIONALE

NEW PART STANDARD TO REPLACE MS9718.

NOTICE

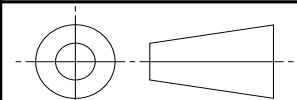
THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM THE U.S. MILITARY STANDARD MS9718A. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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.



For more information on this standard, visit
<https://www.sae.org/standards/content/AS9718>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471 /3/ /4/



AEROSPACE STANDARD

BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED
WASHER HEAD, DRILLED, PD SHANK, SILVER PLATE
NICKEL ALLOY (UNS N07001), .4375-20UNJF-3A

AS9718™
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
MS9718-04	.678- .698	.105- .125	5.46	MS9718-31	2.865-2.885	1.690-1.750	13.80
MS9718-05	.740- .760	.105- .125	5.70	MS9718-32	2.990-3.010	1.815-1.875	14.28
MS9718-06	.802- .822	.105- .125	5.93	MS9718-33	3.115-3.135	1.940-2.000	14.75
MS9718-07	.865- .885	.105- .125	6.17	MS9718-34	3.240-3.260	2.065-2.125	15.23
MS9718-08	.928- .948	.105- .125	6.41	MS9718-35	3.365-3.385	2.190-2.250	15.71
MS9718-09	.990-1.010	.105- .125	6.65	MS9718-36	3.490-3.510	2.315-2.375	16.18
MS9718-10	1.052-1.072	.105- .125	6.89	MS9718-37	3.615-3.635	2.440-2.500	16.66
MS9718-11	1.115-1.135	.105- .125	7.13	MS9718-38	3.740-3.760	2.565-2.625	17.14
MS9718-12	1.178-1.198	.105- .125	7.37	MS9718-39	3.865-3.885	2.690-2.750	17.61
MS9718-13	1.240-1.260	.105- .125	7.60	MS9718-40	3.990-4.010	2.815-2.875	18.09
MS9718-14	1.302-1.322	.128- .188	7.84	MS9718-41	4.115-4.135	2.940-3.000	18.57
MS9718-15	1.365-1.385	.190- .250	8.08	MS9718-42	4.240-4.260	3.065-3.125	19.04
MS9718-16	1.428-1.448	.252- .312	8.32	MS9718-43	4.365-4.385	3.190-3.250	19.52
MS9718-17	1.490-1.510	.315- .375	8.56	MS9718-44	4.490-4.510	3.315-3.375	19.99
MS9718-18	1.552-1.572	.378- .438	8.79	MS9718-45	4.615-4.635	3.440-3.500	20.47
MS9718-19	1.615-1.635	.440- .500	9.03	MS9718-46	4.740-4.760	3.565-3.625	20.95
MS9718-20	1.678-1.698	.502- .562	9.27	MS9718-47	4.865-4.885	3.690-3.750	21.42
MS9718-21	1.740-1.760	.565- .625	9.51	MS9718-48	4.990-5.010	3.815-3.875	21.90
MS9718-22	1.802-1.822	.627- .687	9.75	MS9718-49	5.115-5.135	3.940-4.000	22.38
MS9718-23	1.865-1.885	.690- .750	9.99	MS9718-50	5.240-5.260	4.065-4.125	22.85
MS9718-24	1.990-2.010	.815- .875	10.46	MS9718-51	5.365-5.385	4.190-4.250	23.33
MS9718-25	2.115-2.135	.940-1.000	10.94	MS9718-52	5.490-5.510	4.315-4.375	23.81
MS9718-26	2.240-2.260	1.065-1.125	11.42	MS9718-53	5.615-5.635	4.440-4.500	24.28
MS9718-27	2.365-2.385	1.190-1.250	11.89	MS9718-54	5.740-5.760	4.565-4.625	24.76
MS9718-28	2.490-2.510	1.315-1.375	12.37	MS9718-55	5.865-5.885	4.690-4.750	25.24
MS9718-29	2.615-2.635	1.440-1.500	12.85	MS9718-56	5.990-6.010	4.815-4.875	25.71
MS9718-30	2.740-2.760	1.565-1.625	13.32				

NOTES:

- /1/ FOR PART NUMBERS MS9718-04 THRU MS9718-20, DATUM **Z** (THREAD PD) SHALL REPLACE DATUM **Y**.
2. MATERIAL: NICKEL ALLOY PER AMS5708 (COMPOSITION SIMILAR TO UNS N07001).
- /3/ PROCUREMENT SPECIFICATION: AS7471.
- /4/ COLD WORKING OF THE HEAD TO SHANK FILLET IS NOT REQUIRED ON DASH NUMBERS SIZES -08 AND SMALLER.
5. SILVER PLATE IN ACCORDANCE WITH AMS2411, .0002 TO .0006 THICKNESS AT THREAD PITCH DIAMETER. DIMENSIONS SPECIFIED ARE AFTER PLATING.
6. FLUORESCENT PENETRANT INSPECTION PER ASTM E1417/E1417M TYPE I, SENSITIVITY LEVEL 2 MIN.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
8. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
9. DIMENSIONS ARE IN INCHES.
10. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
11. UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.

	AEROSPACE STANDARD		AS9718™ SHEET 2 OF 3 
	BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, PD SHANK, SILVER PLATE, NICKEL ALLOY (UNS N07001), .4375-20UNJF-3A		

