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AS9720™

RATIONALE

NEW PART STANDARD TO REPLACE MS9720.

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.

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5306

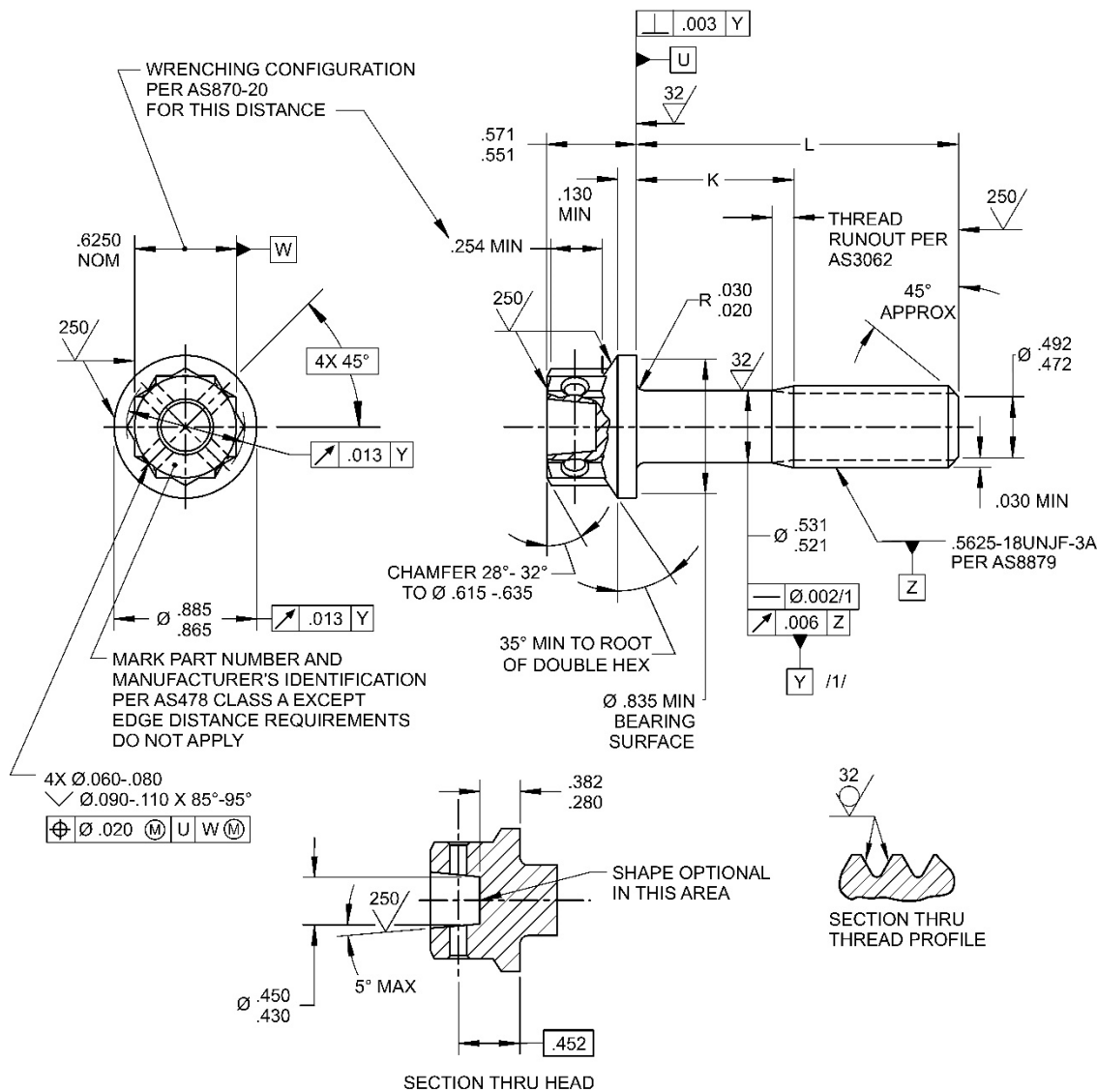
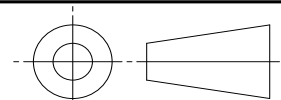


FIGURE 1 - BOLT

For more information on this standard, visit
<https://www.sae.org/standards/content/AS9720/>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7471 /4/



AEROSPACE STANDARD

BOLT, MACHINE – DOUBLE HEXAGON, EXTENDED
WASHER HEAD, DRILLED, PD SHANK, SILVER PLATE
NICKEL ALLOY (UNS N07001), .5625-18UNJF-3A

AS9720™
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
MS9720-04	.865- .885	.113- .133	11.27	MS9720-31	3.240-3.260	1.815-1.875	26.55
MS9720-05	.928- .948	.113- .133	11.68	MS9720-32	3.365-3.385	1.940-2.000	27.36
MS9720-06	.990-1.010	.113- .133	12.08	MS9720-33	3.490-3.510	2.065-2.125	28.16
MS9720-07	1.052-1.072	.113- .133	12.48	MS9720-34	3.615-3.635	2.190-2.250	28.96
MS9720-08	1.115-1.135	.113- .133	12.88	MS9720-35	3.740-3.760	2.315-2.375	29.77
MS9720-09	1.178-1.198	.113- .133	13.29	MS9720-36	3.865-3.885	2.440-2.500	30.57
MS9720-10	1.240-1.260	.113- .133	13.69	MS9720-37	3.990-4.010	2.565-2.625	31.38
MS9720-11	1.302-1.322	.113- .133	14.09	MS9720-38	4.115-4.135	2.690-2.750	32.18
MS9720-12	1.365-1.385	.113- .133	14.49	MS9720-39	4.240-4.260	2.815-2.875	32.98
MS9720-13	1.428-1.448	.113- .133	14.90	MS9720-40	4.365-4.385	2.940-3.000	33.79
MS9720-14	1.490-1.510	.113- .133	15.30	MS9720-41	4.490-4.510	3.065-3.125	34.59
MS9720-15	1.552-1.572	.128- .188	15.69	MS9720-42	4.615-4.635	3.190-3.250	35.40
MS9720-16	1.615-1.635	.190- .250	16.10	MS9720-43	4.740-4.760	3.315-3.375	36.20
MS9720-17	1.678-1.698	.252- .312	16.50	MS9720-44	4.865-4.885	3.440-3.500	37.00
MS9720-18	1.740-1.760	.315- .375	16.90	MS9720-45	4.990-5.010	3.565-3.625	37.81
MS9720-19	1.802-1.822	.378- .438	17.30	MS9720-46	5.115-5.135	3.690-3.750	38.61
MS9720-20	1.865-1.885	.440- .500	17.71	MS9720-47	5.240-5.260	3.815-3.875	39.42
MS9720-21	1.990-2.010	.565- .625	18.51	MS9720-48	5.365-5.385	3.940-4.000	40.22
MS9720-22	2.115-2.135	.690- .750	19.32	MS9720-49	5.490-5.510	4.065-4.125	41.03
MS9720-23	2.240-2.260	.815- .875	20.12	MS9720-50	5.615-5.635	4.190-4.250	41.83
MS9720-24	2.365-2.385	.940-1.000	20.92	MS9720-51	5.740-5.760	4.315-4.375	42.63
MS9720-25	2.490-2.510	1.065-1.125	21.73	MS9720-52	5.865-5.885	4.440-4.500	43.44
MS9720-26	2.615-2.635	1.190-1.250	22.53	MS9720-53	5.990-6.010	4.565-4.625	44.24
MS9720-27	2.740-2.760	1.315-1.375	23.34				
MS9720-28	2.865-2.885	1.440-1.500	24.14				
MS9720-29	2.990-3.010	1.565-1.625	24.94				
MS9720-30	3.115-3.135	1.690-1.750	25.75				

NOTES:

- /1/ FOR PART NUMBERS MS9720-04 THRU MS9720-24, 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 -16 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		AS9720™ SHEET 2 OF 3	
	BOLT, MACHINE - DOUBLE HEXAGON, EXTENDED WASHER HEAD, DRILLED, PD SHANK, SILVER PLATE, NICKEL ALLOY (UNS N07001), .5625-18UNJF-3A			

