

RESTORE DIMENSION TO LOCATE SAFETY WIRE HOLES, CORRECT TYPOGRAPHICAL ERRORS IN TABLE 1, REVISE DATUM IDENTIFIERS, UPDATE SURFACE TEXTURE NOTE AND CLARIFY REQUIREMENTS FOR AS FORGED SURFACES, DELETE G DIM, DELETE RADIUS AT BASE OF WRENCH PAD, ADD POSITION REQUIREMENTS FOR SAFETY WIRE HOLES, ADD SENSITIVITY NOTE FOR FPI, RESTORE MAX/MIN LIMITS FOR L DIM, FIGURE 1 REDRAWN WITH EDITORIAL UPDATES.

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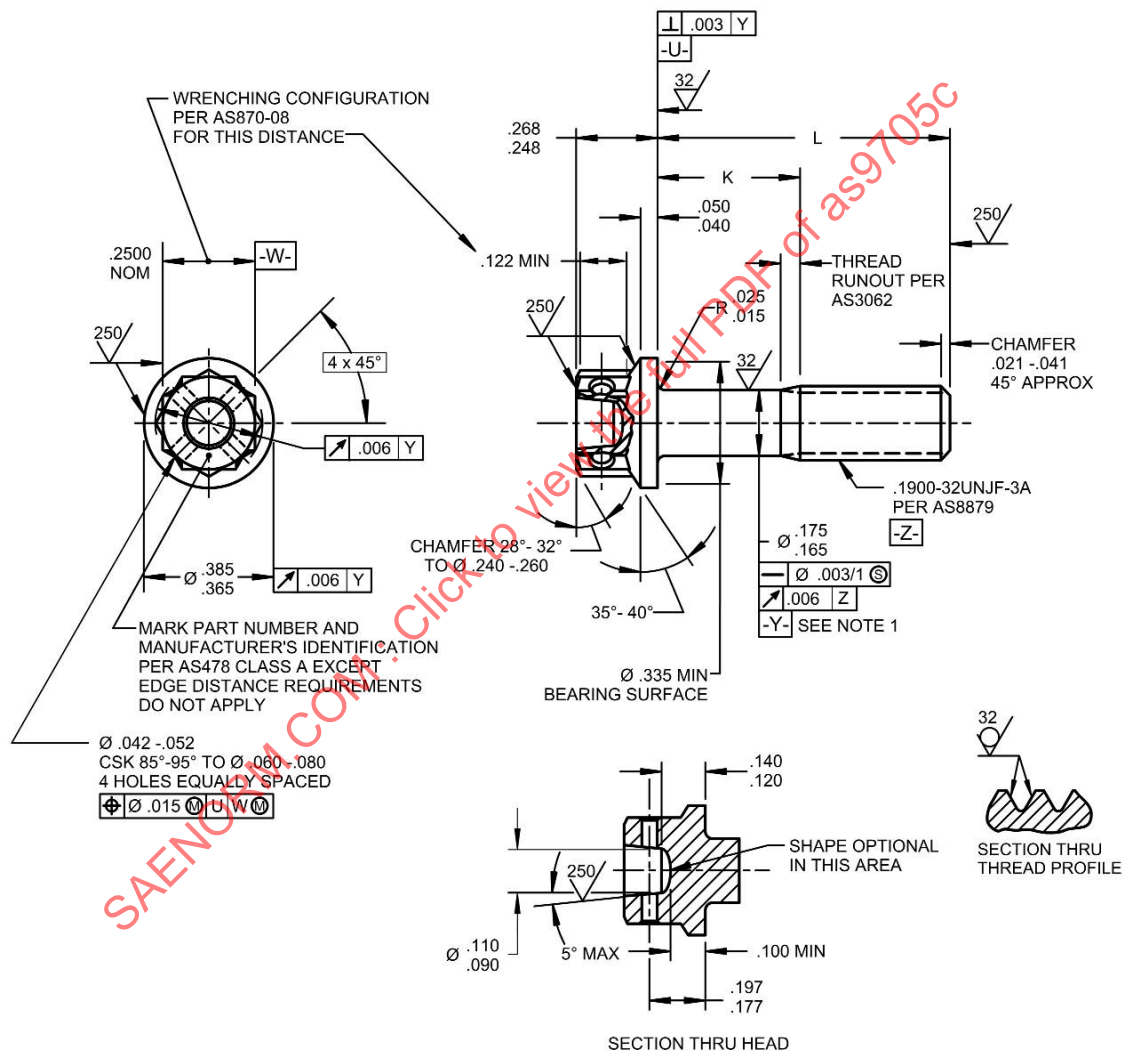
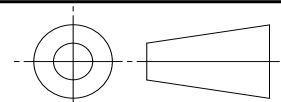


FIGURE 1 - BOLT

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THIRD ANGLE PROJECTION



CUSTODIAN: SAE E-25

PROCUREMENT SPECIFICATION: AS7471

SAE Aerospace
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AEROSPACE STANDARD

BOLT, MACHINE-DOUBLE HEXAGON, EXTENDED
WASHER HEAD, DRILLED, CORROSION AND HEAT
RESISTANT NICKEL ALLOY, .1900-32 UNJF-3A

SAE AS9705
SHEET 1 OF 3

REV.
C

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	ISSUED 1999-08	REAFFIRMED 2005-05	REVISED 2013-02
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TABLE 1 - DASH NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX WEIGHT lb/100	PART NUMBER	L	K	APPROX WEIGHT lb/100
MS9705-04	.365- .385	.072-.092	.68	MS9705-25	1.678-1.698	.998-1.058	1.57
MS9705-05	.428- .448	.072-.092	.73	MS9705-26	1.740-1.760	1.060-1.120	1.61
MS9705-06	.490- .510	.072-.092	.77	MS9705-27	1.802-1.822	1.122-1.182	1.64
MS9705-07	.552- .572	.072-.092	.81	MS9705-28	1.865-1.885	1.185-1.245	1.69
MS9705-08	.615- .635	.072-.092	.85	MS9705-29	1.990-2.010	1.310-1.370	1.78
MS9705-09	.678- .698	.072-.092	.90	MS9705-30	2.115-2.135	1.435-1.495	1.86
MS9705-10	.740- .760	.072-.120	.94	MS9705-31	2.240-2.260	1.560-1.620	1.94
MS9705-11	.802- .822	.122-.182	.98	MS9705-32	2.365-2.385	1.685-1.745	2.03
MS9705-12	.865- .885	.185-.245	1.02	MS9705-33	2.490-2.510	1.810-1.870	2.11
MS9705-13	.928- .948	.248-.308	1.06	MS9705-34	2.615-2.635	1.935-1.995	2.20
MS9705-14	.990-1.010	.310-.370	1.10	MS9705-35	2.740-2.760	2.060-2.120	2.28
MS9705-15	1.052-1.072	.372-.432	1.15	MS9705-36	2.865-2.885	2.185-2.245	2.38
MS9705-16	1.115-1.135	.435-.495	1.19	MS9705-37	2.990-3.010	2.310-2.370	2.45
MS9705-17	1.178-1.198	.498-.558	1.23	MS9705-38	3.115-3.135	2.435-2.495	2.53
MS9705-18	1.240-1.260	.560-.620	1.27	MS9705-39	3.240-3.260	2.560-2.620	2.62
MS9705-19	1.302-1.322	.622-.682	1.31	MS9705-40	3.365-3.385	2.685-2.745	2.70
MS9705-20	1.365-1.385	.685-.745	1.36	MS9705-41	3.490-3.510	2.810-2.870	2.78
MS9705-21	1.428-1.448	.748-.808	1.40	MS9705-42	3.615-3.635	2.935-2.995	2.87
MS9705-22	1.490-1.510	.810-.870	1.44	MS9705-43	3.740-3.760	3.060-3.120	2.95
MS9705-23	1.552-1.572	.872-.932	1.48	MS9705-44	3.865-3.885	3.185-3.245	3.04
MS9705-24	1.615-1.635	.935-.995	1.52				

NOTES:

- FOR PART NUMBERS MS9705-04 THRU MS9705-12 DATUM **Z** SHALL BE CHANGED TO DATUM **Y**.
- MATERIAL: CORROSION AND HEAT RESISTANT NICKEL ALLOY AMS5708 (UNS N07001).
- PROCUREMENT SPECIFICATION: AS7471.
- FLUORESCENT PENETRANT INSPECTION PER ASTM E 1417, SENSITIVITY LEVEL 2 MINIMUM.
- HEAD TO SHANK FILLET SHALL BE COLD ROLLED, EXCEPT DASH NUMBER SIZES -12 AND SMALLER DO NOT REQUIRE FILLET ROLLING.
- SURFACE TEXTURE: SYMBOLS ARE PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
- BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE IN INCHES.
- DIMENSIONS AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
- DO NOT USE UNASSIGNED PART NUMBERS.
- UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THIS STANDARD MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.