

RATIONALE

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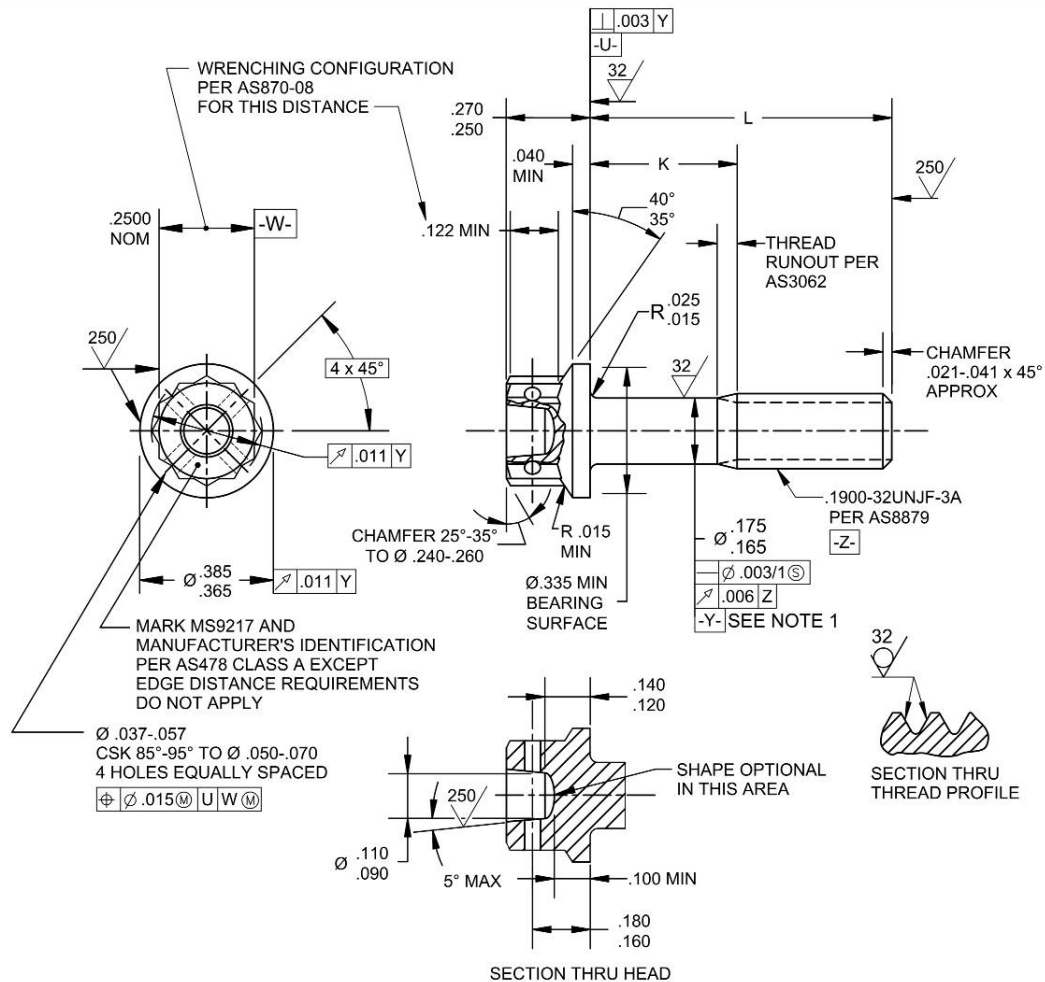
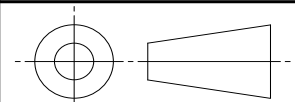


FIGURE 1 - SCREW

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9217C>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7459

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM
PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD,
DRILLED, UNS K14675, 195 KSI MIN., .190-32 UNJF-3A

SAE AS9217
SHEET 1 OF 2

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SSUED 1998-11	REVISED 2011-09	STABILIZED 2012-02
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TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NO.	L	K	APPROX. MASS LB/100	PART NO.	L	K	APPROX. MASS LB/100.
MS9217-04	.365-.385	.072-.092	.91	MS9217-22	1.490-1.510	.810-.870	1.63
MS9217-05	.428-.448	.072-.092	.95	MS9217-23	1.552-1.572	.872-.932	1.67
MS9217-06	.490-.510	.072-.092	.99	MS9217-24	1.615-1.635	.935-.995	1.71
MS9217-07	.552-.572	.072-.092	1.03	MS9217-25	1.678-1.698	.998-1.058	1.75
MS9217-08	.615-.635	.072-.092	1.07	MS9217-26	1.740-1.760	1.060-1.120	1.79
MS9217-09	.678-.698	.072-.092	1.11	MS9217-27	1.865-1.885	1.185-1.245	1.87
MS9217-10	.740-.760	.072-.099	1.15	MS9217-28	1.990-2.010	1.310-1.370	1.95
MS9217-11	.802-.822	.122-.182	1.19	MS9217-29	2.115-2.135	1.435-1.495	2.03
MS9217-12	.865-.885	.185-.245	1.23	MS9217-30	2.240-2.260	1.560-1.620	2.11
MS9217-13	.928-.948	.248-.308	1.27	MS9217-31	2.365-2.385	1.685-1.745	2.19
MS9217-14	.990-1.010	.310-.370	1.31	MS9217-32	2.490-2.510	1.810-1.870	2.27
MS9217-15	1.052-1.072	.372-.432	1.35	MS9217-33	2.615-2.635	1.935-1.995	2.35
MS9217-16	1.115-1.135	.435-.495	1.39	MS9217-34	2.740-2.760	2.060-2.120	2.43
MS9217-17	1.178-1.198	.498-.558	1.43	MS9217-35	2.865-2.885	2.185-2.245	2.51
MS9217-18	1.240-1.260	.560-.620	1.47	MS9217-36	2.990-3.010	2.310-2.370	2.59
MS9217-19	1.302-1.322	.622-.682	1.51				
MS9217-20	1.365-1.385	.685-.745	1.55				
MS9217-21	1.428-1.448	.748-.808	1.59				

NOTICE

THIS DOCUMENT REFERENCES A PART WHICH CONTAINS CADMIUM AS A PLATING MATERIAL. CONSULT LOCAL OFFICIALS IF YOU HAVE QUESTIONS CONCERNING CADMIUM'S USE.

NOTES:

- FOR PART NUMBERS MS9217-04 THRU MS9217-14 THE THREAD PD (DATUM -Z-) SHALL REPLACE DATUM -Y-.
- MATERIAL: LOW ALLOY STEEL AMS6304 (UNS K14675).
- PROCUREMENT SPECIFICATION: AS7459.
- HARDNESS: 42 TO 46 HRC.
- FINISH: DIFFUSED NICKEL-CADMIUM PLATE AMS2416. DIMENSIONS ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
- MAGNETIC PARTICLE INSPECTION PER ASTM E 1444 BEFORE PLATING.
- SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra EXCEPT UPSET HEAD.
- BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
- DIMENSIONS IN INCHES.
- DO NOT USE UNASSIGNED PART NUMBERS.
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ASTM IS AN ASTM INTERNATIONAL PUBLICATION.

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	BOLT, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, UNS K14675, 195 KSI MIN. .190-32 UNJF-3A			



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