

RATIONALE

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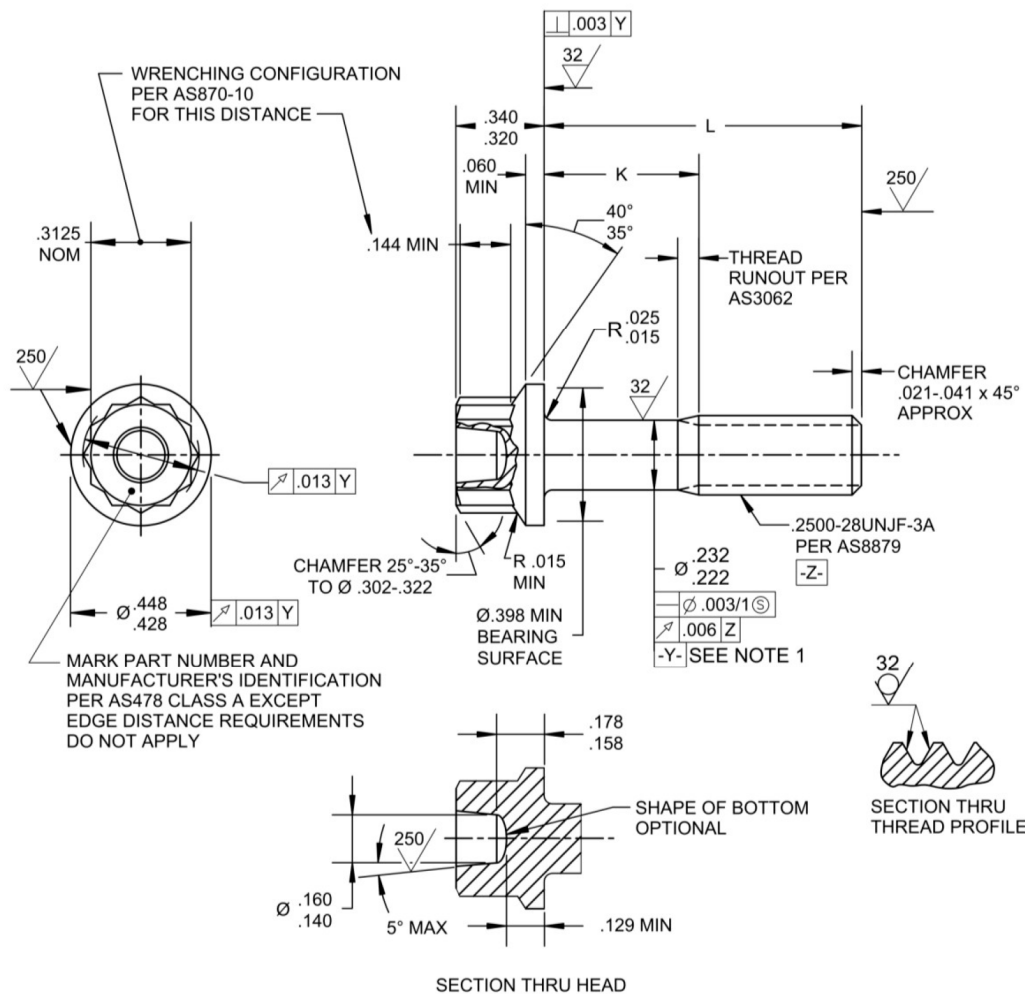
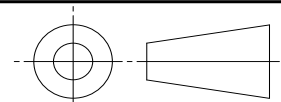


FIGURE 1 - SCREW

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9216C>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7459

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

SCREW, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM
PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD,
DRILLED. UNS K14675, 195 KSI MIN. .1640-36 UNJF-3A

SAE AS9216
SHEET 1 OF 2

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SSUED 1998-08	REVISED 2011-08	STABILIZED 2012-01
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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.
MS9216-03	.302-.322	.062-.082	.451	MS9216-16	1.115-1.135	.487-.547	.847
MS9216-04	.365-.385	.062-.082	.482	MS9216-17	1.178-1.198	.550-.610	.878
MS9216-05	.428-.448	.062-.082	.513	MS9216-18	1.240-1.260	.612-.672	.908
MS9216-06	.490-.510	.062-.082	.543	MS9216-19	1.302-1.322	.674-.734	.938
MS9216-07	.552-.572	.062-.082	.573	MS9216-20	1.365-1.385	.737-.797	.969
MS9216-08	.615-.635	.062-.082	.604	MS9216-21	1.428-1.448	.800-.860	.999
MS9216-09	.678-.698	.062-.082	.634	MS9216-22	1.490-1.510	.862-.922	1.029
MS9216-10	.740-.760	.112-.172	.664	MS9216-23	1.552-1.572	.924-.984	1.060
MS9216-11	.802-.822	.174-.234	.695	MS9216-24	1.615-1.635	.987-1.047	1.090
MS9216-12	.865-.885	.237-.297	.725	MS9216-25	1.678-1.698	1.050-1.110	1.121
MS9216-13	.928-.948	.300-.360	.756	MS9216-26	1.740-1.760	1.112-1.172	1.151
MS9216-14	.990-1.010	.362-.422	.786	MS9216-27	1.865-1.885	1.237-1.297	1.212
MS9216-15	1.052-1.072	.424-.484	.816	MS9216-28	1.990-2.010	1.362-1.422	1.273

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 MS9216-03 THRU MS9216-12 THE THREAD PD (DATUM -Z-) SHALL REPLACE DATUM -Y-.
- MATERIAL: LOW ALLOY STEEL AMS6304 (UNS K14675).
- PROCUREMENT SPECIFICATION: AS7459.
- HARDNESS: 42-46 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.
- INCOMPLETE THREADS NOT TO ENTER FILLET.
- 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.
- A CHANGE BAR (|) LOCATED IN THE LEFT MARGIN IS FOR THE CONVENIENCE OF THE USER IN LOCATING AREAS WHERE TECHNICAL REVISIONS, NOT EDITORIAL CHANGES, HAVE BEEN MADE TO THE PREVIOUS ISSUE OF THIS DOCUMENT. AN (R) SYMBOL TO THE LEFT OF THE DOCUMENT TITLE INDICATES A COMPLETE REVISION OF THE DOCUMENT, INCLUDING TECHNICAL REVISIONS. CHANGE BARS AND (R) ARE NOT USED IN ORIGINAL PUBLICATIONS, NOR IN DOCUMENTS THAT CONTAIN EDITORIAL CHANGES ONLY.

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	SCREW, MACHINE - STEEL, DIFFUSED NICKEL-CADMIUM PLATED, DOUBLE HEXAGON EXTENDED WASHER HEAD, DRILLED, UNS K14675, 195 KSI MIN, .1640-36 UNJF-3A			



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