

REV.
B

SAE AS9316

RATIONALE

UPDATE CADMIUM NOTICE.

NOTICE

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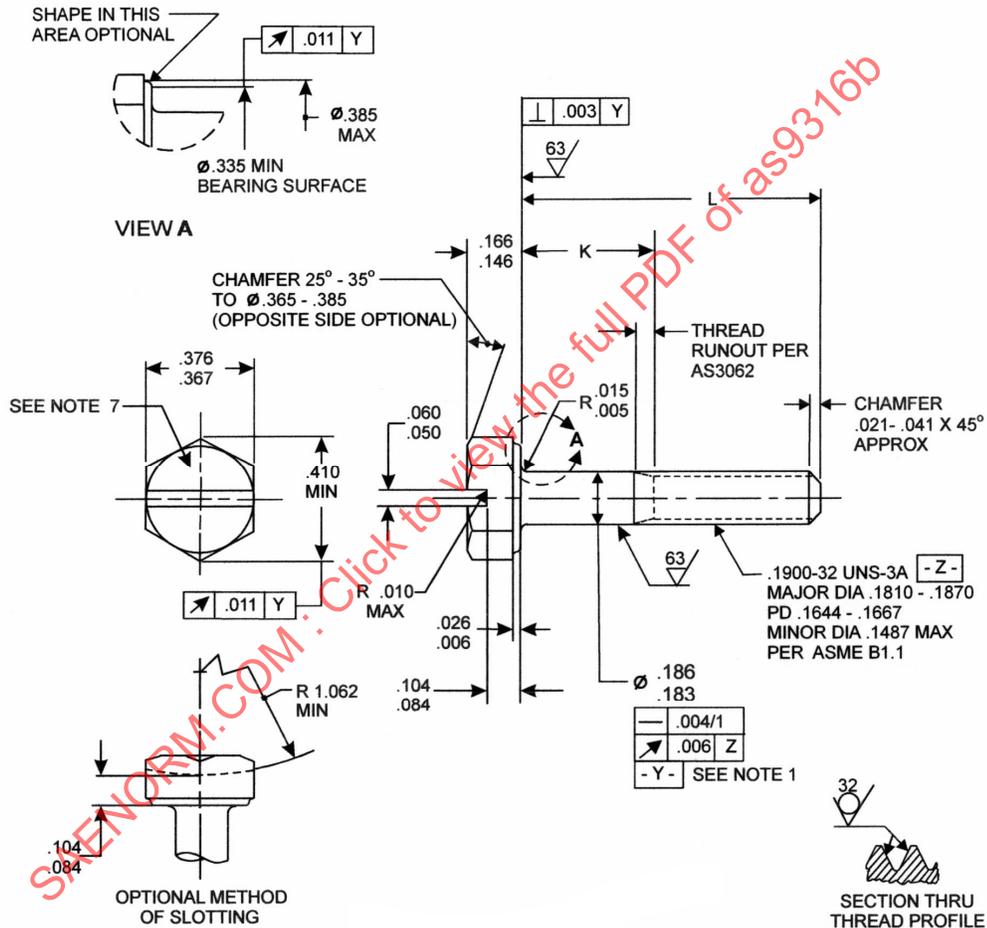
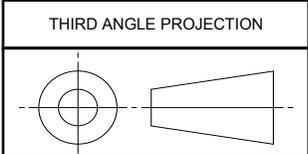


FIGURE 1 - SCREW

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CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: AS7454

SAE Aerospace
An SAE International Group

AEROSPACE STANDARD

SCREW, MACHINE - HEXAGON HEAD, SLOTTED, FULL SHANK, ALLOY STEEL, UNS K14675, 135 KSI MIN, .1900-32 UNS-3A

SAE AS9316
SHEET 1 OF 3

REV. B

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100
MS9316-02	.428 - .448	$\frac{1}{1}$.90
MS9316-03	.490 - .510	$\frac{1}{1}$	1.03
* MS9316-04	.552 - .572	$\frac{1}{1}$	1.16
MS9316-05	.615 - .635	$\frac{1}{1}$	1.28
MS9316-06	.678 - .698	$\frac{1}{1}$	1.41
MS9316-07	.740 - .760	.065 - .125	1.54
* MS9316-08	.802 - .822	.128 - .188	1.67
MS9316-09	.865 - .885	.190 - .250	1.79
MS9316-10	.928 - .948	.252 - .312	1.93
MS9316-11	.990 - 1.010	.315 - .375	2.05
* MS9316-13	1.115 - 1.135	.440 - .500	2.31
MS9316-15	1.240 - 1.260	.565 - .625	2.57
MS9316-17	1.365 - 1.385	.690 - .750	2.82
* MS9316-19	1.490 - 1.510	.815 - .875	3.08

$\frac{1}{1}$ THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

* PREFERRED LENGTHS.

NOTES:

NOTICED

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

- FOR PARTS NUMBERS MS9316-02 THRU MS9316-10 THE THREAD PD (DATUM $\square-Z$) SHALL REPLACE DATUM $\square-Y$.
- MATERIAL: LOW ALLOY STEEL PER AMS6304 (UNS K14675).
- PROCUREMENT SPECIFICATION: AS7454.
- FINISH: DIFFUSED NICKEL-CADMIUM PLATE PER 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 250 MICROINCHES Ra.
- MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION PER AS478 CLASS A. FOR PARTS MANUFACTURED PRIOR TO ISSUE OF AS9316 REV. A, PARTS MARKED ONLY WITH THE MATERIAL CODE "E37" ARE ACCEPTABLE.
- BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
- DIMENSIONS ARE IN INCHES.
- DIMENSIONING AND TOLERANCING PER ANSI Y14.5-1982 (ASME PUBLICATION).
- DO NOT USE UNASSIGNED PART NUMBERS.

 An SAE International Group	AEROSPACE STANDARD	SAE AS9316 SHEET 2 OF 3	REV. B
	SCREW, MACHINE - HEXAGON HEAD, SLOTTED, FULL SHANK, ALLOY STEEL, UNS K14675, 135 KSI MIN, .1900-32 UNS-3A		