

NOTICE

ANY REQUIREMENTS ASSOCIATED WITH QUALIFIED PRODUCTS LISTS (QPL) 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.

FIGURE 1 - SCREW

REV.
C

TABLE 1 - PART NUMBERS AND DIMENSIONS

PART NUMBER	L	K	APPROX. MASS LB/100
MS9316-02	.428 - .448	<u>1/</u>	.90
MS9316-03	.490 - .510	<u>1/</u>	1.03
* MS9316-04	.552 - .572	<u>1/</u>	1.16
MS9316-05	.615 - .635	<u>1/</u>	1.28
MS9316-06	.678 - .698	<u>1/</u>	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

1/ THREAD TO HEAD. MAXIMUM TWO IMPERFECT THREADS.

* PREFERRED LENGTHS.

NOTES:

NOTICE

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

- /1/ FOR PART NUMBERS MS9316-02 THRU MS9316-10 DATUM Z (THREAD PD) SHALL REPLACE DATUM Y.
2. MATERIAL: LOW ALLOY STEEL PER AMS6304 (COMPOSITION SIMILAR TO UNS K14675).
3. PROCUREMENT SPECIFICATION: AS7454.
4. FINISH: DIFFUSED NICKEL-CADMIUM PLATE PER AMS2416. DIMENSIONS ARE AFTER PLATING. CONTACT POINTS PERMISSIBLE. PD MAY BE REDUCED .0012 MAXIMUM BEFORE PLATING.
5. MAGNETIC PARTICLE INSPECTION PER ASTM E1444/E1444M BEFORE PLATING.
- /6/ ACCEPTABILITY OF SCREW THREADS SHALL BE DETERMINED BASED ON ASME B1.3M, SYSTEM 22.
7. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 250 MICROINCHES Ra.
- /8/ FOR PARTS MANUFACTURED PRIOR TO ISSUE OF AS9316 REV. A, PARTS MARKED ONLY WITH THE MATERIAL CODE "E37" ARE ACCEPTABLE.
9. BREAK SHARP EDGES .003 TO .015, UNLESS OTHERWISE SPECIFIED.
10. DIMENSIONS ARE IN INCHES.
11. DIMENSIONING AND TOLERANCING PER ASME Y14.5-2018.
12. DO NOT USE UNASSIGNED PART NUMBERS.
13. 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	AS9316™ SHEET 2 OF 3	REV. C
	SCREW, MACHINE - HEXAGON HEAD, SLOTTED, FULL SHANK, ALLOY STEEL, UNS K14675, 135 KSI MIN. 1900-32 UNS-3A		