

REV.
B

SAE AS9582

FEDERAL SUPPLY CLASS
5310

RATIONALE

SURFACE TEXTURE ON THE BOLT BEARING SURFACE CHANGED FROM A VARIABLE TO A FIXED REQUIREMENT.

NOTICE

THE INITIAL SAE PUBLICATION OF THIS DOCUMENT WAS TAKEN DIRECTLY FROM U.S. MILITARY STANDARD MS9582B, NOTICE 1. THIS SAE STANDARD MAY RETAIN THE SAME PART NUMBERS ESTABLISHED BY THE ORIGINAL MILITARY DOCUMENT.

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.

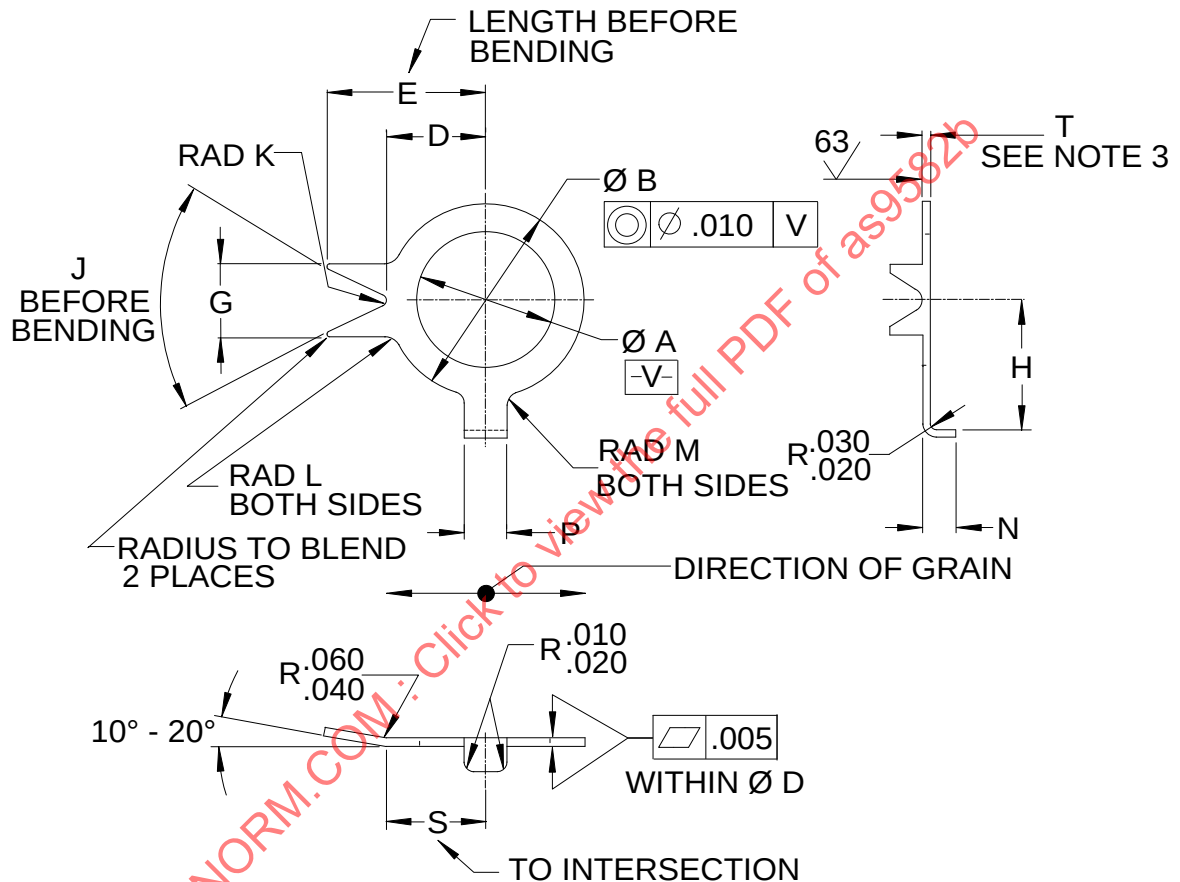
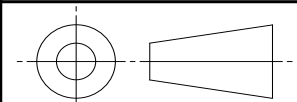


FIGURE 1 - WASHER

SAE values your input. To provide feedback on this Technical Report, please visit <http://www.sae.org/technical/standards/AS9582B>

THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

SAE Aerospace
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AEROSPACE STANDARD

(R) WASHER, KEY - 270 DEG, LOCKING, CRES, UNS S32100

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TABLE 1 - DIMENSIONS

PART NUMBER	NOM SIZE	A	B	D	E	G	H	J
MS9582-08	.1640	.170 - .175	.310 - .320	.160 - .165	.275 - .285	.175 - .185	.181 - .191	48° - 52°
MS9582-09	.1900	.195 - .200	.370 - .380	.190 - .195	.295 - .305	.200 - .210	.221 - .231	58° - 62°
MS9582-10	.2500	.255 - .260	.440 - .450	.220 - .225	.350 - .360	.250 - .260	.265 - .275	58° - 62°
MS9582-11	.3125	.320 - .325	.495 - .505	.250 - .255	.410 - .420	.280 - .290	.325 - .335	58° - 62°
MS9582-12	.3750	.390 - .395	.560 - .570	.280 - .285	.450 - .460	.320 - .330	.365 - .375	58° - 62°
MS9582-13	.4375	.450 - .455	.685 - .695	.345 - .350	.525 - .535	.390 - .400	.415 - .425	58° - 62°
MS9582-14	.5000	.515 - .520	.745 - .755	.375 - .380	.590 - .600	.425 - .435	.465 - .475	58° - 62°
MS9582-15	.5625	.575 - .580	.870 - .880	.440 - .445	.640 - .650	.500 - .510	.540 - .550	78° - 82°
MS9582-16	.6250	.640 - .645	.930 - .940	.470 - .475	.680 - .690	.530 - .540	.565 - .575	78° - 82°
MS9582-17	.7500	.765 - .770	1.055 - 1.065	.530 - .535	.730 - .740	.550 - .560	.665 - .675	88° - 92°
MS9582-18	.8750	.890 - .895	1.245 - 1.255	.625 - .630	.860 - .870	.600 - .610	.790 - .800	88° - 92°
MS9582-19	1.0000	1.015 - 1.020	1.430 - 1.440	.715 - .720	.950 - .960	.650 - .660	.865 - .875	88° - 92°

TABLE 1 - DIMENSIONS (CONTINUED)

PART NUMBER	K	L	M	N	P	S	T	APPROX MASS LB/100
MS9582-08	.005 - .025	.027 - .047	.027 - .047	.080 - .090	.080 - .085	.175 - .185	.019 - .025	.041
MS9582-09	.005 - .025	.027 - .047	.027 - .047	.095 - .105	.110 - .115	.205 - .215	.019 - .025	.065
MS9582-10	.015 - .035	.030 - .050	.030 - .050	.100 - .110	.110 - .115	.235 - .245	.028 - .036	.128
MS9582-11	.020 - .040	.030 - .050	.040 - .060	.100 - .110	.140 - .145	.275 - .285	.028 - .036	.160
MS9582-12	.020 - .040	.030 - .050	.040 - .060	.140 - .150	.140 - .145	.315 - .325	.028 - .036	.182
MS9582-13	.035 - .055	.030 - .050	.040 - .060	.150 - .160	.170 - .175	.375 - .385	.032 - .040	.246
MS9582-14	.040 - .060	.040 - .060	.040 - .060	.150 - .160	.200 - .205	.415 - .425	.032 - .040	.396
MS9582-15	.040 - .060	.040 - .060	.065 - .085	.150 - .160	.200 - .205	.475 - .485	.032 - .040	.532
MS9582-16	.040 - .060	.040 - .060	.065 - .085	.150 - .160	.200 - .205	.495 - .505	.032 - .040	.592
MS9582-17	.040 - .060	.050 - .070	.090 - .110	.150 - .160	.230 - .235	.565 - .575	.032 - .040	.709
MS9582-18	.040 - .060	.050 - .070	.090 - .110	.150 - .160	.260 - .265	.675 - .685	.032 - .040	.821
MS9582-19	.090 - .110	.050 - .070	.090 - .110	.150 - .160	.290 - .295	.775 - .785	.032 - .040	1.060

NOTES:

1. MATERIAL: CORROSION RESISTANT STEEL AMS5510 (UNS S32100).
2. HEAT TREATMENT: FORMED WASHERS SHALL BE STRESS RELIEVED AT 1600 °F ± 25 °F FOR 30 MINUTES IN A PROTECTIVE ATMOSPHERE FOLLOWED BY AIR COOL.
3. DIMENSION "T" SHALL BE OF UNIFORM THICKNESS WITHIN .002.
4. REMOVE BURRS AND SHARP EDGES.
5. SURFACE TEXTURE: SYMBOLS PER ASME Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
6. IDENTIFICATION: MARK PART NUMBER AND MANUFACTURER'S IDENTIFICATION ON CONTAINER.
7. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982 (ASME PUBLICATION).
8. DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED.