

REV.  
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SAE AS9276

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 MS9276B, 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.

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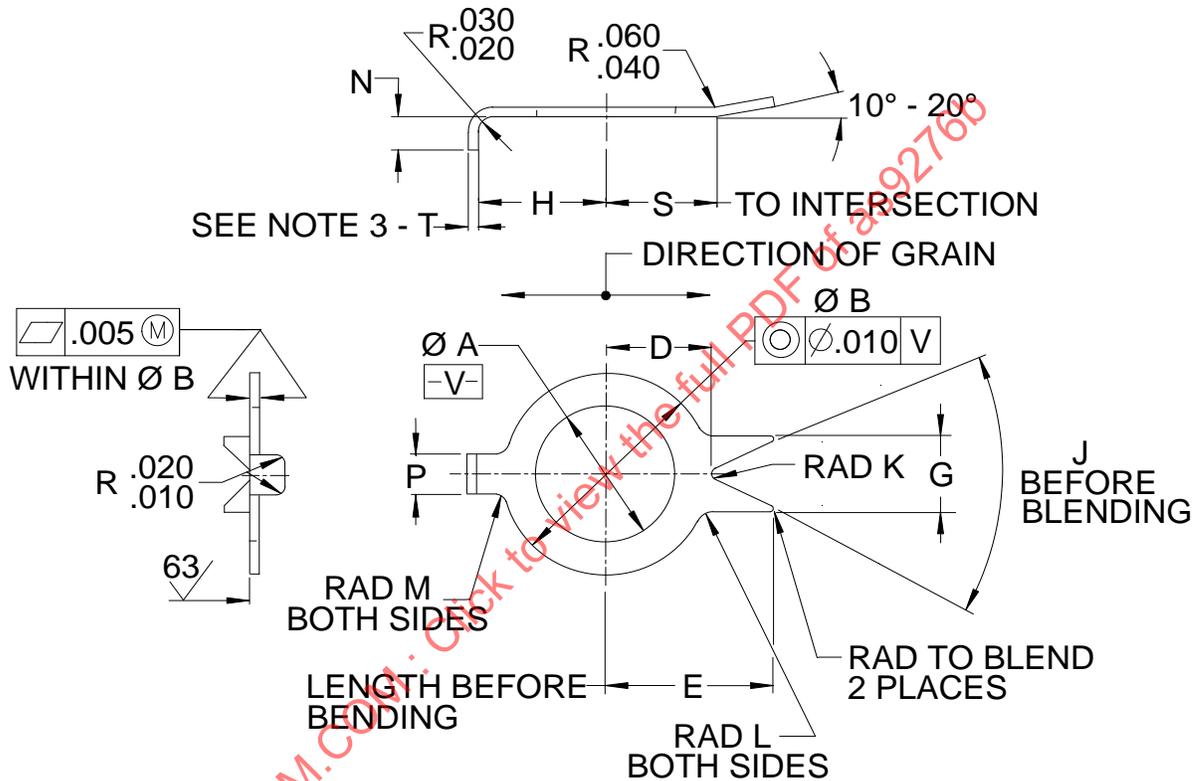
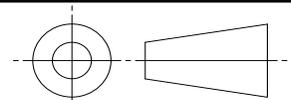


FIGURE 1 - WASHER

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THIRD ANGLE PROJECTION



CUSTODIAN: E-25

PROCUREMENT SPECIFICATION: NONE

**SAE Aerospace**  
An SAE International Group

**AEROSPACE STANDARD**

(R) WASHER, KEY - 180 DEG, LOCKING, CRES, UNS S32100

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TABLE 1 - DIMENSIONS

PART NUMBER	NOM SIZE	A	B	D	E	G	H	J
MS9276-08	.1640	.170 - .175	.310 - .320	.160 - .165	.275 - .285	.175 - .185	.181 - .191	48° - 52°
MS9276-09	.1900	.195 - .200	.370 - .380	.190 - .195	.295 - .305	.200 - .210	.221 - .231	58° - 62°
MS9276-10	.2500	.255 - .260	.440 - .450	.220 - .225	.350 - .360	.250 - .260	.265 - .275	58° - 62°
MS9276-11	.3125	.320 - .325	.495 - .505	.250 - .255	.410 - .420	.280 - .290	.325 - .335	58° - 62°
MS9276-12	.3750	.390 - .395	.560 - .570	.280 - .285	.450 - .460	.320 - .330	.365 - .375	58° - 62°
MS9276-13	.4375	.450 - .455	.685 - .695	.345 - .350	.525 - .535	.390 - .400	.415 - .425	58° - 62°
MS9276-14	.5000	.515 - .520	.745 - .755	.375 - .380	.590 - .600	.425 - .435	.465 - .475	58° - 62°
MS9276-15	.5625	.575 - .580	.870 - .880	.440 - .445	.640 - .650	.500 - .510	.540 - .550	78° - 82°
MS9276-16	.6250	.640 - .645	.930 - .940	.470 - .475	.680 - .690	.530 - .540	.565 - .575	78° - 82°
MS9276-17	.7500	.765 - .770	1.055 - 1.065	.530 - .535	.730 - .740	.550 - .560	.665 - .675	88° - 92°
MS9276-18	.8750	.890 - .895	1.245 - 1.255	.625 - .630	.860 - .870	.600 - .610	.790 - .800	88° - 92°
MS9276-19	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
MS9276-08	.005 - .025	.027 - .047	.027 - .047	.080 - .090	.080 - .085	.175 - .185	.019 - .025	.042
MS9276-09	.005 - .025	.027 - .047	.027 - .047	.095 - .105	.110 - .115	.205 - .215	.019 - .025	.065
MS9276-10	.015 - .035	.030 - .050	.030 - .050	.100 - .110	.110 - .115	.235 - .245	.028 - .036	.128
MS9276-11	.020 - .040	.030 - .050	.040 - .060	.100 - .110	.140 - .145	.275 - .285	.028 - .036	.160
MS9276-12	.020 - .040	.030 - .050	.040 - .060	.140 - .150	.140 - .145	.315 - .325	.028 - .036	.182
MS9276-13	.035 - .055	.030 - .050	.040 - .060	.150 - .160	.170 - .175	.375 - .385	.032 - .040	.246
MS9276-14	.040 - .060	.040 - .060	.040 - .060	.150 - .160	.200 - .205	.415 - .425	.032 - .040	.396
MS9276-15	.040 - .060	.040 - .060	.065 - .085	.150 - .160	.200 - .205	.475 - .485	.032 - .040	.532
MS9276-16	.040 - .060	.040 - .060	.065 - .085	.150 - .160	.200 - .205	.495 - .505	.032 - .040	.592
MS9276-17	.040 - .060	.050 - .070	.090 - .110	.150 - .160	.230 - .235	.565 - .575	.032 - .040	.709
MS9276-18	.040 - .060	.050 - .070	.090 - .110	.150 - .160	.260 - .265	.675 - .685	.032 - .040	.821
MS9276-19	.090 - .110	.050 - .070	.090 - .110	.150 - .160	.290 - .295	.775 - .785	.032 - .040	1.040

## NOTES:

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

 An SAE International Group	<b>AEROSPACE STANDARD</b>	 <b>AS9276</b> SHEET 2 OF 3	<b>REV.</b> <b>B</b>
	(R) WASHER, KEY - 180 DEG, LOCKING, CRES, UNS S32100		