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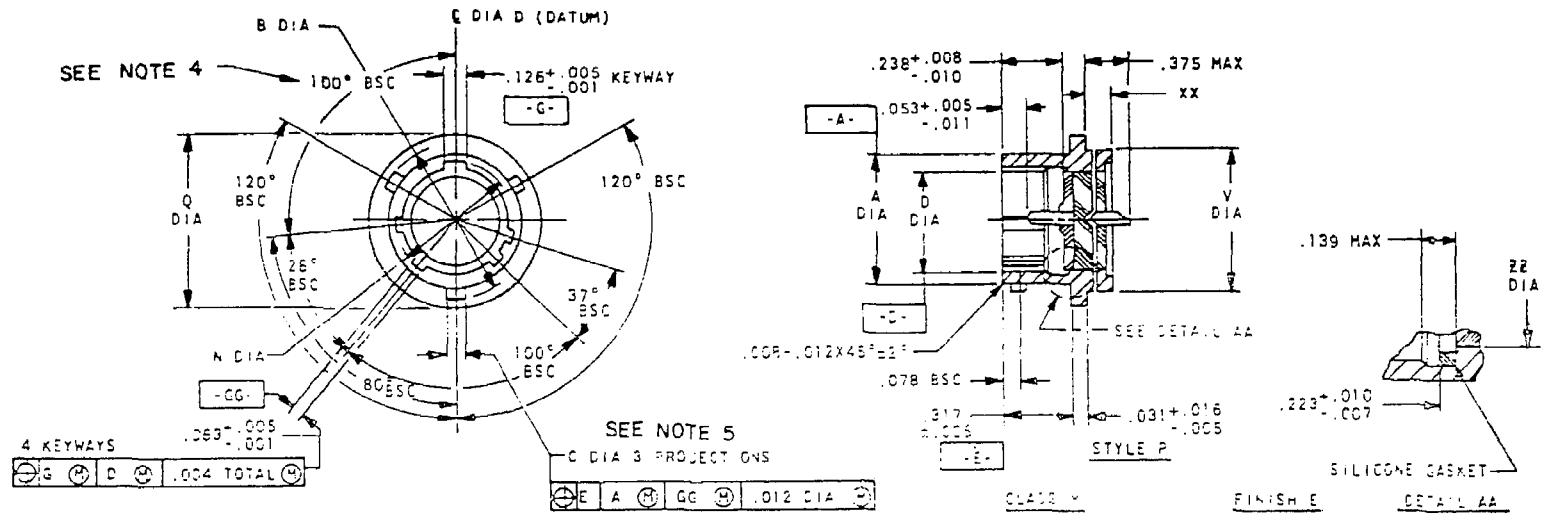

SHELL SIZE	A +.001 -.005 DIA	B +.000 -.016 DIA OVER PROJ.	C +.006 -.002 DIA	D +.005 -.001 DIA	XX MAX	N +.005 -.006 DIA	Q +.011 -.010 DIA	V +.001 -.005 DIA	CC	ZZ MIN DIA	FOR INSERT ARR SEE DWG MS
8	.473	.563		.362		.412	.687	.562	.004	.403	27343,27516
10	.590	.690		.490		.540	.797	.672		.515	27344,27517
12	.750	.859	.076	.607	.125	.689	.906	.781		.629	27345,27518
14	.875	.954		.732		.814	1.031	.906		.754	27346,27519
16	1.000	1.108		.857		.939	1.156	1.031	.010	.879	27347,27520
18	1.125	1.233		.962		1.039	1.261	1.156		.980	27348,27521
20	1.250	1.358		1.087		1.164	1.375	1.250		1.105	27349,27522
22	1.375	1.483	.125	1.212	.156	1.289	1.500	1.375		1.230	27350,27523
24	1.500	1.610		1.337		1.414	1.625	1.500		1.355	27351,27524

NOTES:
1. DIMENSIONS IN INCHES.
2. DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 TIR.
3. DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC.
4. NORMAL KEYWAY POSITION. FOR OTHER KEYWAY POSITIONS SEE FIGURE 4 OF PROCUREMENT SPECIFICATION.
5. THE GAGE FEATURES FOR GG SHALL BE CC SMALLER THAN THEIR MMC AT BASIC LOCATION.

MS27503 Y 24 E 61 P A

MS NO. | CLASS | SHELL SIZE | FINISH (COLOR) | INSERT ARR. NUMBER | STYLE (P OR S) | POLARIZATION NO LETTER REQUIRED FOR NORMAL

EXAMPLE OF PART NUMBER

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SPECIFICATION SHEET NUMBER
MS27503C (USAF) 4 May 90
SUPERSEDING MS27503B(USAF) 13 August 1974
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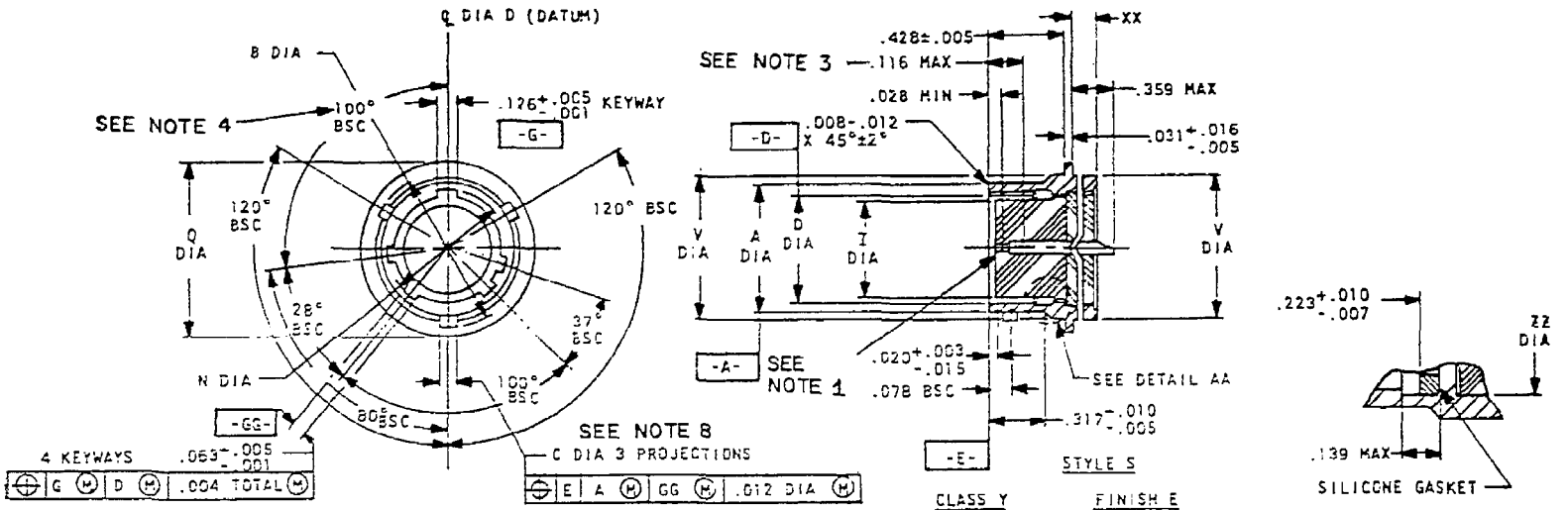

CLASS Y FINISH E

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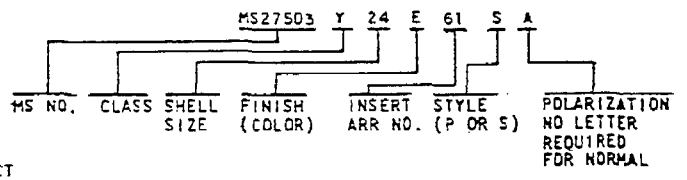
22	1.375	1.483	.125	1.212	1.116	.156	1.289	1.500	1.375		1.230	27350,27523
24	1.500	1.610		1.337	1.241		1.414	1.625	1.500		1.355	27351,27524

NOTES:

1. INSERT FRONT SURFACE SHALL BE FLAT WITHIN .005 TIR.
2. DIMENSIONS IN INCHES.
3. THE POINT AT WHICH A GAGE PIN, HAVING THE SAME BASIC DIAMETER AS THE MATING CONTACT AND A SQUARE FACE, TOUCHES SOCKET CONTACT SPRING.
4. NORMAL KEYWAY POSITION. FOR OTHER KEYWAY POSITIONS SEE FIGURE 4 OF PROCUREMENT SPECIFICATION.
5. DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 TIR.
6. DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC.
7. DIAMETERS D AND I SHALL BE CONCENTRIC WITHIN .005 TIR AT MMC.
8. THE GAGE FEATURES FOR GG SHALL BE CC SMALLER THAN THEIR MMC SIZE AT BASIC LOCATION.



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