

G (N) D (H) .004 TOTAL			CLASS T										FOR INSERT ARR. SEC. DWG MS	
A + .001 - .005 DIA	B + .000 - .016 DIA OVER PROJ	C + .000 - .002 DIA	O + .005 - .001 DIA	I + .005 DIA	N + .005 - .006 DIA	U MAX DIA	R BSC	S MAX	T + .010 - .005	V MAX DIA	LC			
8	.471	.563	.362	.296	.412	1.078	.297	.828		.406	.004	27343		
10	.550	.680	.490	.413	.540	1.266	.3595	.954		.516		27304		
12	.750	.859	.607	.527	.689	1.391	.406	1.047	.120	.540		27345		
14	.875	.984	.732	.652	.814	1.516	.453	1.141		.766		27346		
16	1.000	1.108	.857	.777	.919	1.641	.505	1.234		.890	.010	27347		
18	1.125	1.233	.982	.866	1.035	1.766	.531	1.328		.984		27348		
20	1.250	1.358	1.087	.991	1.164	1.891	.578	1.453		1.709		27349		
22	1.375	1.483	1.212	1.116	1.289	2.016	.625	1.578		1.234		27350		
24	1.500	1.610	1.337	1.241	1.414	2.204	.6875	1.703	.125	1.350		27351		

**NOTES:**

**△ INSERT FRONT SURFACE SHALL BE FLAT WITHIN .005 T.I.R.**

## 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 TABLE A, FIGURE 2 OF PROCUREMENT SPECIFICATION.

5. DIAMETERS A AND D SHALL BE CONCENTRIC WITHIN .015 T.I.R.

6. DIAMETER A WITH RESPECT TO DIAMETER B, AND DIAMETER D WITH RESPECT TO DIAMETER N, SHALL BE CONCENTRIC AT MMC

7. DIAPETERS D AND I SHALL BE CONCENTRIC WITHIN .005 T.I.R. AT MMC.  
SHALL BE CONCENTRIC AT FMC.

THE GAGE FEATURES FOR GG SHALL BE CC SMALLER THAN THEIR MMC AT BASIC LOCATION.

THE GAGE FEATURES FOR GG SHALL BE .010 SMALLER THAN THEIR MMC AT BASIC LOCATION.

THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.


REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

APPROVED 26 JAN 66  
REVISED (A) 10 AUG 66 (B) 1 FEB 67 (C) 20 DEC 67

C) EXAMPLE OF PART NUMBER:

EXAMPLE OF PART NUMBER:  
MS2733S T 24 A 61 P A

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SHELL SIZE	FINISH (COLOR)	INSERT	STYLE (P. 99)
1/2	Black	Black	1/2" x 1/2" x 1/2"
3/4	Black	Black	3/4" x 3/4" x 3/4"
1	Black	Black	1" x 1" x 1"
1 1/2	Black	Black	1 1/2" x 1 1/2" x 1 1/2"
2	Black	Black	2" x 2" x 2"
2 1/2	Black	Black	2 1/2" x 2 1/2" x 2 1/2"
3	Black	Black	3" x 3" x 3"
3 1/2	Black	Black	3 1/2" x 3 1/2" x 3 1/2"
4	Black	Black	4" x 4" x 4"
4 1/2	Black	Black	4 1/2" x 4 1/2" x 4 1/2"
5	Black	Black	5" x 5" x 5"
5 1/2	Black	Black	5 1/2" x 5 1/2" x 5 1/2"
6	Black	Black	6" x 6" x 6"
6 1/2	Black	Black	6 1/2" x 6 1/2" x 6 1/2"
7	Black	Black	7" x 7" x 7"
7 1/2	Black	Black	7 1/2" x 7 1/2" x 7 1/2"
8	Black	Black	8" x 8" x 8"
8 1/2	Black	Black	8 1/2" x 8 1/2" x 8 1/2"
9	Black	Black	9" x 9" x 9"
9 1/2	Black	Black	9 1/2" x 9 1/2" x 9 1/2"
10	Black	Black	10" x 10" x 10"
10 1/2	Black	Black	10 1/2" x 10 1/2" x 10 1/2"
11	Black	Black	11" x 11" x 11"
11 1/2	Black	Black	11 1/2" x 11 1/2" x 11 1/2"
12	Black	Black	12" x 12" x 12"
12 1/2	Black	Black	12 1/2" x 12 1/2" x 12 1/2"
13	Black	Black	13" x 13" x 13"
13 1/2	Black	Black	13 1/2" x 13 1/2" x 13 1/2"
14	Black	Black	14" x 14" x 14"
14 1/2	Black	Black	14 1/2" x 14 1/2" x 14 1/2"
15	Black	Black	15" x 15" x 15"
15 1/2	Black	Black	15 1/2" x 15 1/2" x 15 1/2"
16	Black	Black	16" x 16" x 16"
16 1/2	Black	Black	16 1/2" x 16 1/2" x 16 1/2"
17	Black	Black	17" x 17" x 17"
17 1/2	Black	Black	17 1/2" x 17 1/2" x 17 1/2"
18	Black	Black	18" x 18" x 18"
18 1/2	Black	Black	18 1/2" x 18 1/2" x 18 1/2"
19	Black	Black	19" x 19" x 19"
19 1/2	Black	Black	19 1/2" x 19 1/2" x 19 1/2"
20	Black	Black	20" x 20" x 20"
20 1/2	Black	Black	20 1/2" x 20 1/2" x 20 1/2"
21	Black	Black	21" x 21" x 21"
21 1/2	Black	Black	21 1/2" x 21 1/2" x 21 1/2"
22	Black	Black	22" x 22" x 22"
22 1/2	Black	Black	22 1/2" x 22 1/2" x 22 1/2"
23	Black	Black	23" x 23" x 23"
23 1/2	Black	Black	23 1/2" x 23 1/2" x 23 1/2"
24	Black	Black	24" x 24" x 24"
24 1/2	Black	Black	24 1/2" x 24 1/2" x 24 1/2"
25	Black	Black	25" x 25" x 25"
25 1/2	Black	Black	25 1/2" x 25 1/2" x 25 1/2"
26	Black	Black	26" x 26" x 26"
26 1/2	Black	Black	26 1/2" x 26 1/2" x 26 1/2"
27	Black	Black	27" x 27" x 27"
27 1/2	Black	Black	27 1/2" x 27 1/2" x 27 1/2"
28	Black	Black	28" x 28" x 28"
28 1/2	Black	Black	28 1/2" x 28 1/2" x 28 1/2"
29	Black	Black	29" x 29" x 29"
29 1/2	Black	Black	29 1/2" x 29 1/2" x 29 1/2"
30	Black	Black	30" x 30" x 30"
30 1/2	Black	Black	30 1/2" x 30 1/2" x 30 1/2"
31	Black	Black	31" x 31" x 31"
31 1/2	Black	Black	31 1/2" x 31 1/2" x 31 1/2"
32	Black	Black	32" x 32" x 32"
32 1/2	Black	Black	32 1/2" x 32 1/2" x 32 1/2"
33	Black	Black	33" x 33" x 33"
33 1/2	Black	Black	33 1/2" x 33 1/2" x 33 1/2"
34	Black	Black	34" x 34" x 34"
34 1/2	Black	Black	34 1/2" x 34 1/2" x 34 1/2"
35	Black	Black	35" x 35" x 35"
35 1/2	Black	Black	35 1/2" x 35 1/2" x 35 1/2"
36	Black	Black	36" x 36" x 36"
36 1/2	Black	Black	36 1/2" x 36 1/2" x 36 1/2"
37	Black	Black	37" x 37" x 37

SIZE (CUMULATIVE)	ANAL. NUMBER	ANAL. NUMBER
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
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10	10	10
11	11	11
12	12	12
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82	82	82
83	83	83
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86	86	86
87	87	87
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89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

NUMBER

100

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This standard has been approved by the Department of the USAF and is mandatory for use by that activity. All other military activities are required to employ this standard where suitable.

DD FORM 672-1 (limited circulation)

DD FORM 672-1  
1 SEP 52

**TITLE**

CONNECTOR, RECEPTACLE, ELECTRIC, BOX, FLANGE MOUNT,  
SOLDER TYPE, BAYONET COUPLING

MILITARY STANDARD

MS 27335

SHEET OF

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