

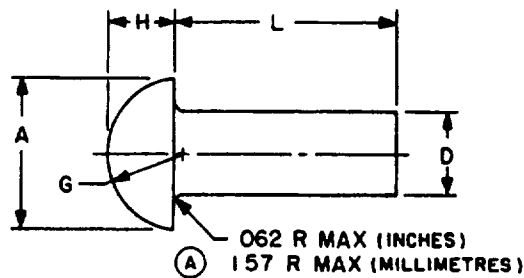
FED SUP CLASS
5320

TABLE I

NOMINAL SIZE		1/2 (.500)	5/8 (.625)	3/4 (.750)	7/8 (.875)	1 (1.000)	1-1/8 (1.125)	1-1/4 (1.250)
D SHANK DIAMETER	MAX MIN	.520 .478	.655 .600	.780 .725	.905 .850	1.030 .975	1.160 1.098	1.285 1.223
A HEAD DIAMETER	NOM MAX MIN	.875 .938 .844	1.094 1.157 1.063	1.312 1.390 1.281	1.531 1.609 1.500	1.750 1.828 1.719	1.969 2.063 1.938	2.188 2.282 2.157
H HEAD HEIGHT	MAX MIN	.406 .375	.500 .469	.593 .562	.687 .656	.781 .750	.891 .844	.985 .938
G HEAD RADIUS	NOM	.443	.553	.664	.775	.885	.996	11.07
L LENGTH		DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
.500		1						
.562		2						
.625		3	12					
.688		4	13					
.750		5	14					
.812		6	15					
.875		7	16					
.938		8	17					
1.000		9	18	35				
1.125		10	19	36				
1.250		11	20	37	60	83		
1.375			21	38	61	84*	106*	
1.500			22	39	62	85	107*	128
1.625			23	40	63	86*	108*	129*
1.750			24	41	64	87	109*	130
1.875			25	42	65	88*	110*	131*
2.000			26	43	66	89	111*	132
2.125			27	44	67	90*	112*	133*
2.250			28	45	68	91	113*	134
2.375			29	46	69	92*	114*	135*
2.500			30	47	70	93	115*	136
2.625			31	48	71	94*	116*	137*
2.750			32	49	72	95	117*	138
2.875			33	50	73	96*	118*	139*
3.000			34	51	74	97	119*	140
3.125				52	75	98*	120*	141*
3.250				53	76	99	121*	142
3.375				54	77	100*	122*	143*
3.500				55	78	101	123*	144
3.625				56	79	102*	124*	145*
3.750				57	80	103	125*	146
3.875				58	81	104*	126*	147*
4.000				59	82	105	127*	148

(A) * INACTIVE FOR NEW DESIGN AFTER 20 March 1974

(A) FOR CHANGES SEE SHEETS 1 AND 2.

P A Other Cust 82	WC (A)	TITLE RIVET, SOLID, BUTTON HEAD, STEEL	MILITARY STANDARD MS51829
PROCUREMENT SPECIFICATION MIL-R-1223	SUPERSEDES BMCX3	SHEET 1 OF 2	

This military standard is approved for use by all Departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document.

REVIEWER- AV, EA, IS
USER AT, EL, ME, WV

APPROVED 18 APR 1967 REVISED (A) 20 MAR 1974

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NOTES

- (A) 1. MATERIAL Steel, carbon, in accordance with Grade M of the procurement specification or Grade 1 of ASTM A502.
2. PROTECTIVE COATING None
- (A) 3. DIMENSIONS All dimensions in Table I are in inches.
All dimensions in Table II are in millimetres.
4. TOLERANCES Tolerances on lengths in Table I shall be ± 0.031 for sizes 1/2 and 5/8, ± 0.062 for sizes 3/4 and 7/8, ± 0.093 for sizes over 7/8.
Tolerances on lengths in Table II shall be ± 0.79 for sizes 12.70 and 15.88, ± 1.57 for sizes 19.05 and 22.22, ± 2.36 for sizes over 22.22.
5. PART NUMBER The MS part number consists of the MS number, plus the dash number.
Example MS51829-1.
6. Referenced documents shall be of the issue in effect on date of invitations for bid.
7. For design feature purposes, this standard takes precedence over procurement documents referenced herein.

(A) TABLE II
METRIC TRANSLATION OF TABLE I

NOMINAL SIZE		12.70	15.88	19.05	22.22	25.40	28.58	31.75
D SHANK DIAMETER	MAX	13.21	16.64	19.81	22.99	26.16	29.46	32.64
	MIN	12.14	15.24	18.42	21.59	24.76	27.89	31.06
A HEAD DIAMETER	NOM	22.22	27.79	33.32	38.89	44.45	50.01	55.58
	MAX	23.83	29.39	35.31	40.87	46.43	52.40	57.96
	MIN	21.44	27.00	32.54	38.10	43.66	49.23	54.79
H HEAD HEIGHT	MAX	10.31	12.70	15.06	17.45	19.84	22.63	25.02
	MIN	9.52	11.91	14.27	16.66	19.05	21.44	23.83
G HEAD RADIUS	NOM	11.25	14.05	16.87	19.68	22.48	25.30	28.12
L LENGTH	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
12.70	1							
14.27	2							
15.88	3	12						
17.48	4	13						
19.05	5	14						
20.62	6	15						
22.22	7	16						
23.83	8	17						
25.40	9	18	35					
28.58	10	19	36					
31.75	11	20	37	60	83			
34.92		21	38	61	84*	106*		
38.10		22	39	62	85	107*	128	
41.28		23	40	63	86*	108*	129*	
44.45		24	41	64	87	109*	130	
47.62		25	42	65	88*	110*	131*	
50.80		26	43	66	89	111*	132	
53.98		27	44	67	90*	112*	133*	
57.15		28	45	68	91	113*	134	
60.32		29	46	69	92*	114*	135*	
63.50		30	47	70	93	115*	136	
66.68		31	48	71	94*	116*	137*	
69.85		32	49	72	95	117*	138	
73.02		33	50	73	96*	118*	139*	
76.20		34	51	74	97	119*	140	
79.38			52	75	98*	120*	141*	
82.55			53	76	99	121*	142	
85.72			54	77	100*	122*	143*	
88.90			55	78	101	123*	144	
92.08			56	79	102*	124*	145*	
95.25			57	80	103	125*	146	
98.42			58	81	104*	126*	147*	
101.60			59	82	105	127*	148	

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PA WC	TITLE	MILITARY STANDARD
Other Cust 82 (A)	RIVET, SOLID, BUTTON HEAD, STEEL	MS51829
PROCUREMENT SPECIFICATION MIL-R-1223	SUPERSEDES BMCX3	SHEET 2 OF 2

DD FORM 672-1

ALL INFORMATION ON THIS FORM IS COMPLETE

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REVIEWER: AV, EA, IS
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