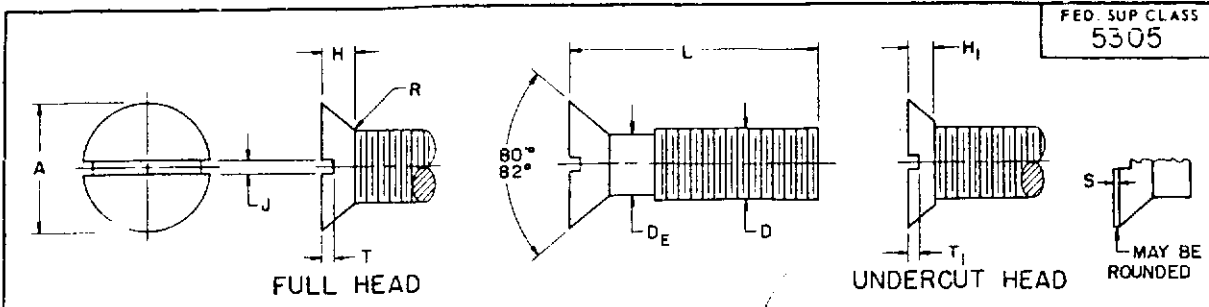


FED. SUP CLASS
5305



NOMINAL SIZE D	#1 (.0730)	#2 (.0860)	#4 (.1120)	#6 (.1380)	#8 (.1640)	#10 (.1900)	1/4 (.2500)	5/16 (.3125)	
THREADS PER INCH	64NC	56NC	40NC	32NC	32NC	24NC	20UNC	18UNC	
BODY DIAMETER D _E	MAX .0730 MIN .0603	.0860 .0717	.1120 .0925	.1380 .1141	.1640 .1399	.1900 .1586	.2500 .2127	.3125 .2712	
HEAD DIAMETER A	MAX SHARP .146 MIN SHARP .130 ABS MIN .126	.172 .156 .150	.225 .207 .200	.279 .257 .249	.332 .308 .300	.385 .359 .348	.507 .477 .462	.635 .600 .581	
SLOT WIDTH J	MAX .026 MIN .019	.031 .023	.039 .031	.048 .039	.054 .045	.060 .050	.075 .064	.084 .072	
FLAT S	MAX .003	.003	.004	.005	.006	.007	.009	.011	
RADIUS R	MAX .031	.036	.050	.063	.063	.083	.100	.111	
FULL HEAD	HEAD HEIGHT H	MAX .043 MIN .033	.051 .040	.067 .055	.083 .069	.100 .084	.116 .098	.153 .131	.191 .165
	SLOT DEPTH T	MAX .019 MIN .012	.023 .015	.030 .020	.038 .024	.045 .029	.053 .034	.070 .046	.088 .058
UNDERCUT HEAD	HEAD HEIGHT H	MAX .032 MIN .022	.037 .026	.048 .036	.060 .046	.071 .055	.083 .065	.108 .086	.135 .109
	SLOT DEPTH T	MAX .016 MIN .012	.019 .015	.025 .020	.032 .024	.037 .029	.044 .034	.058 .046	.073 .058

THREADS SHALL EXTEND TO WITHIN 2 THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE	LENGTH L	TOLERANCE	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.	DASH No.
	1/8			1	8	18	31	46	65	83	
3/16			2	9	19	32	47	66			
1/4			3	10	20	33	48	67			
5/16			4	11	21	34	49	68	84		
3/8	+0 -1/32		5	12	22	35	50	68	84	99	
7/16			6	13	23	36	51	69	85	100	
1/2			7	14	24	37	52	70	86	101	
5/8				15	25	38	53	71	87	102	
3/4				16	26	39	54	72	88	103	
7/8				17	27	40	55	73	89	104	
1					28	41	56	74	90	105	
1-1/4	+0 -1/16				29	42	57	75	91	106	
1-1/2					30	43	58	76	92	107	
1-3/4						44	59	77	93	108	
2						60	78	94	109		
2-1/4						61	79	95	110		
MINIMUM COMPLETE THREAD LENGTH OF 1-3/4.	+0 -3/32		Ⓐ CANCELLED SEE SHEET 2					62	80	96	111
2-1/2							63	81	97	112	
2-3/4							64	82	98	113	
3											

MATERIAL: CARBON STEEL, SPECIFICATION QQ-W-409 OR QQ-S-633, EXCEPT BESSEMER COMPOSITIONS; 55,000 PSI MINIMUM ULTIMATE TENSILE STRENGTH.

FINISH: CADMIUM PLATED, SPECIFICATION QQ-P-416, TYPE II, CLASS C.

THREADS: THE THREADS SHALL BE IN ACCORDANCE WITH SCREW-THREAD STANDARDS FOR FEDERAL SERVICES HANDBOOK H-28.

NOTES:

- (1) REFERENCED DOCUMENTS OF ISSUE IN EFFECT ON DATE OF INVITATION FOR BIDS SHALL APPLY.
- (2) IN CASE OF CONFLICT WITH ANY REFERENCED DOCUMENT, THIS STANDARD WILL GOVERN.
- (3) THE MS PART NUMBER CONSISTS OF THE MS SHEET NUMBER, PLUS THE DASH NUMBER. EXAMPLE: MS 35239-1.
- (4) SIZES ABOVE DOTTED LINE HAVE UNDERCUT HEAD.
- (5) ALL DIMENSIONS IN INCHES.

Ⓐ FOR CHANGES SEE SHEETS 1 AND 2.

P.A.	ORD	TITLE	MILITARY STANDARD MS 35239
Other Cust	SHIPS	SCREW, MACHINE, FLAT COUNTERSUNK HEAD, CARBON STEEL, CADMIUM PLATED, NC-2A AND UNC-2A.	
PROCUREMENT SPECIFICATION	FF-S-92	SUPERSEDES:	SHEET 1 OF 2

APRIL 1962
REVISED Ⓐ
APPROVED FEB 9, 1954

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Department of Defense and is for all new engineering and design activities and shall be made from this document.