B For changes see sheets 1 and 2.																
	ł															
5 3.000 T.031	;	1.500 1.750 2.000	±.031								124		134 135 136		144 145 146	
		.750 .875 1.000 1.250	±.020						110	48* 49*	119 120 121 122 123	58 * 59 *	130 131 132 133	67 * 68 *	139 140 141 142 143	75 * 76 *
.750 .875 1.000 1.250 ±.020		.438 .500 .562 .625						38*	106* 107 108*	47*	J16* 117 118*	57*	128	65 * 66*	137 138	74*
.438 .500 .562 .625 .750 .875 1.000 1.250 28*		.125 .188 .250 .312 .375	±.010	1* 2*	8 * 9 * 10 *	16* 17* 18* 19*	25* 26* 27* 28*	34* 35* 36* 37*	101* 102 103 - 104 105	44* 45* 46*	112* 113 114	55 * 56 *	125*			
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	L	LENGTH	TOL	PLAIN	PLAIN	PLAIN	PLAIN	PLAIN	SELF		SELF	PLAIN	SELF	PLAIN	SELF LOCK	PLAIN
Plain Plai		POINT ANGLE 90° 1	THS UNDER 2° FOR THESE	.109	.156	.188	.250	.:		L			375		438	
CONE LENGTHS UNDER 118 * 2° FOR THESE 109 .156 .188 .250 .250 .312 .375 .438 .56		ACROSS FLAT	s NO	M .035	.050	.062	.078)94 	-	125		1 56		188	<u> </u>
ACROSS FIATS NOM .035 .050 .062 .078 .094 .125 .156 .188 .250 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .250 .312 .375 .438 .560 .312 .375 .368 .104 .458 .114 .558 .126 .375	· 1	(UNF-3A)		64	48	40	36		32		28		24		24	
THREADS PER INCH (UNF-3A) SOCKET WIDTH ACROSS FLATS	¥,			.086	.112	.138	.164			,	(5	SEE N	OTE	6) —		
NOMINAL SIZE			-)						SE	LF-L	OCKIN	IG ELI	EMEN	т
NOMINAL SIZE					- J	3	5° +10° -	- / ~	^^*				s R	LIGHT I	FLAT	OR RMISSI

DD PORM 672-1 (Coordinated)

PREVIOUS COITIONS OF THIS FORM ARE DOSOLET

SHEETS

SEE

CHANGES

FOR

(B) 9961

NOTES:

- 1. MATERIAL: Alloy steel in accordance with procurement specification, having a Rockwell Hardness of 045-53.
- 2. PROTECTIVE COATING: Cadmium plated in accordance with procurement specification.
- $\underline{\text{THREADS}}\colon$ The threads shall be in accordance with MIL-S-7742.
- DIMENSIONS: All dimensions are in inches, unless otherwise specified.
- <u>PART_NUMBER:</u> The MS part number consists of the MS number, plus the dash number. Example: MS51974-34.
- SELF-LOCKING ELEMENT:
 (a) The self-locking element shall be in accordance with MIL-F-18240.
- (B) (b) For design and usage limitations, see MS[598].
 - (c) Location of effective locking area shall be in accordance with MSI5981.
 - (d) Maximum ring gage diameter that locking region of setscrew must pass thru freely or with finger pressure shall be the nominal size plus o.olo.
 - (c) MIL-F-18240 doesn't establish torque requirements for lengths above the dashed line. Only a positive indication of torque is required.
- 7. Referenced documents shall be of the issue in effect on date of invitations for bid.
- 8. For design feature purposes, this standard takes precedence over procurement documents refer-

INTERCHANGEABILITY

Screws covered by the dash numbers given in MSS1035 and MSS1037 are cancelled after 29 January 1964 and superseded by the screws covered on MSS1974 having the same dash numbers. Cancelled screws may be used until existing stocks are depleted. Use only MSS1974 screws for new design.

Screws covered by the dash numbers given in MSI8067 in part are cancelled. Cancelled screws may be used until existing stocks are depleted. Use only the superseding screws for new design. Replacement shall be in accordance with Table 11.

TABLE II (B)

CANCELLED	SUPERSEDING	CANCELLED	SUPERSEDING	CANCELLED	SUPERSEDING	CANCELLED	SUPERSEDING	
MS18067	MS51974	MS18067	MS51974	MS18067	MS51974	MS18067	MS51974	
DASH NUMBER		DASH	NUMBER	DASH	NUMBER	DASH NUMBER		
4	101	32	116	64	131	82	145	
8	102	37	117	70	1 3 2	85	146	
13	103	45	118	74	133	92	147 148	
19	104	50	119	78	134	4()	149	
2.5	105	57	120	81	135	31	1,47	
	1 1.57	1	121	84	136	60	150	
31	106	63	$\frac{121}{122}$	91	137	66	151	
36	107	69	123	39	138	72	152	
44 49	108 109	77	124	52	1 39	76	153	
49 56	110	15	125	59	140	80	154	
50	110	1	1 1	1	1	}	j	
68	111	21	126	6.5	141	83	155	
9	1112	27	1 127	71	142	86	156	
14	l iii (38	128	75	143	87	157	
20	1114	51	1 129	79	144	88	158	
26	l iii 1	58	130	1	1 1	1		

P.A. WC	TITLE	MILITARY STANDARD
Other Cout AS 82	SETSCREW-HEXAGON SOCKET, CONE POINT, ALLOY STEEL, CADMIUM PLATED, UNF-3A, PLAIN AND SELF-LOCKING	MS51974
PROCUREMENT SPECIFICATION FF-S-200	SUPERSEDES: MS51035, MS51037 and in part MS18067, BCTX2.4, BCTX2.5, BCTX2.12, BCUX2, BCUX3 and BCUX4.3.	SHEET 2 OF 2

INSTRUCTIONS: This sheet is to be filled out by personnel, either Government or contractor, involved in the use of the specification in procurement of products for ultimate use by the Department of Defense. is provided for obtaining information on the use of this specification which will insure that suitable products can be procured with a minimum amount of delay and at the least cost. Comments and the return of this form will be appreciated. Fold on lines on reverse side, staple in corner, and send to preparing activity. Comments and suggestions submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or serve to amend contractual requirements. Jo SPECIFICATION detach ORGANIZATION CONTRACT NUMBER this CITY AND STATE MATERIAL PROCURED UNDER A jo DIRECT GOVERNMENT CONTRACT SUBCONTRACT , m HAS ANY PART OF THE SPECIFICATION CREATED PROBLEMS OR REQUIRED INTERPRETATION IN PROCUREMENT USE? A. GIVE PARAGRAPH NUMBER AND WORDING. cut alcng B. RECOMMENDATIONS FOR CORRECTING THE DEFICIENCIES COMMENTS ON ANY SPECIFICATION REQUIREMENT CONSIDERED TOO RIGID 3. IS THE SPECIFICATION RESTRICTIVE? NO (It "yes", in what way?)

SPECIFICATION ANALYSIS SHEET

Form Approved

Budget Bureau No. 22-R255

SUBMITTED BY (Printed or typed name and activity - Optional)

DATE

REMARKS (Attach any pertinent data which may be of use in improving this specification. If there are additional papers, attach to form and place both in an envelope addressed to preparing activity)