PED. SUP CLASS 5305 .02 APPROX -30° APPROX 30°-+0° -15° D 03. OPTIONAL DESIGN SEE NOTE 6 NSA. TABLE I 1/2 9/16 5/8 7/16 5/16 3/8 1/4 NOMINAL SIZE ¥9 18 20 18 20 28 24 24 THREAD UNF-2A .6250 .6170 .3125 .3750 .4375 .5000 .4930 .5625 .5545 . 2500 . 2450 덮였 BODY DIAMETER ¥ Ç .9375 .8125 .7980 . 5000 . 56 25 .6250 HAI .4375 WIDTH ACROSS FLATS SI S 1.083 .866 .938 .910 .650 .628 .722 .698 .505 .488 MAX 840 AE. WIDTH ACROSS CORNERS . 357 .371 .403 .211 .243 .291 .323 .163 HAI HIN REVIEWER: HEAD HEIGHT .045 .045 .025 .025 .025 .025 RADIUS 30,700 19,200 24,400 10,500 14,200 6,950 4,350 \* MIN TENSILE STRENGTH - LBS DASH NO. DASH NO. Dr. DASH NO. DASH DASH DASH NO. TOLERANCE NO. LENGTH .375 .438 .500 .562 .625 .750 .875 1.000 27 28 29 30 31 32 33 34 53 54 55 56 57 58 59 60 2 3 4 5 80 81 82 83 84 65 104 105 130 131 132 133 134 +0 -.031 155 156 157 158 106 106 135 136 137 138 139 140 159 160 161 162 163 164 110 111 6961 61 86 87 88 89 90 91 1.125 1.250 1.375 1.500 1.750 2.000 10 11 12 13 14 35 36 37 38 39 40 62 63 64 65 66 112 113 -.062 MAY by all Departments and Agencies all new engineering and design made from this document. 114 115 116 117 118 119 165 166 167 168 169 170 171 173 174 175 176 177 141 142 143 144 145 146 147 148 149 150 151 152 153 67 68 69 70 71 72 73 74 75 76 77 92 93 94 95 96 97 98 99 100 101 102 103 15 16 17 18 19 20 21 22 23 24 25 26 41 42 43 44 45 46 47 48 49 50 51 52 2.250 2.500 2.750 3.000 0 120 121 122 123 124 125 126 127 128 129 89 3.250 3.500 3.750 4.000 4.250 4.500 4.750 5.000 5.500 6.000 - .094 7 1 3 REVISED roc l For notes and additional sizes see sheet 2. , standard is mandatory for us ment of Defense. Selection f and for repetitive use shall 63 CROSS REFERENCE OF PART NUMBERS The screws covered by dash numbers given in MS35290, MS35292, MS35294, MS35296, MS35298 and MS35300 are cancelled after the dates indicated on the cancelled documents. Use dash numbers used in this standard. The cancelled screws cannot always replace the new screws and should be used until existing stocks are depleted. Use only the new screws for design and replacement. Dash numbers representing old and new screws are identical, making it unnecessary to prepare an interchangeability table. A PR ន្ត APPROVED (B) for changes see sheet 2. STANDARD TITLE P.A. SCREW, CAP, HEXAGON HEAD (FINISHED HEXAGON BOLT), STEEL, GRADE 5, CADMIUM PLATED, UNF-2A NPERSONS. PROCUREMENT SPECIFICATION See note 11 FF-S-85

DD . 572-1 rouse

				14004					303	
NCMINAL	S122		3/4	7/8	<b>└</b> `	1-1/8	1-1/4	1-3/8	1-1/2	
B THREAD UNF-2A			16	14	7.5	12	12	12	12	
D BODY DIAMETER MAX MIN			.7500 .7410	.8750 .8660	1.0000	1.1250	1.2500	1.3750 1.3630	1.5000 1.4860	
F WIDTH ACROSS FLATS MAX			1.1250	1.3125	1.5000 1.4690	1.6875	1.8750	2.0625 1.9940	2.2500 2.1750	
G WIDTH ACROSS CORNERS MAX			1.299	1.516	1.732	1.949	2.165 2.066	2.382 2.273	2.598 2.480	
H HEAD HEIGHT HAZH H MIN			.483 .455	.563 .531	.627 .591	.718 .658	.813 .749	.878 810	.974	
R RADIUS MAX			.045	.065	.095	.095	.095	i —	.095	
* MIN TENSILE STRENGTH - LBS			44,800	61,100	79,600	89,900	112,700	138,10.	166,000	
	TOLERANCE		<del> </del>				1		<del>7 — —</del>	
L LENGTH	SIZE 3/4	SIZE 7/8 AND OVER	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	
.750 .875 1.000 1.125 1.250	+0	+0	179 180 181	202 203	224					
1.125	031	2,002	182	204	225	245			l	
1.250 1.375	+0	+0	183 184	20 S 20 6	226 227	246 247	265 266	284		
1.500 1.750	062	125	185 186	207 208	228 229	248 249	267 268	285 286	302 303	
2.000	<u> </u>	ļ	187	209	230	250	269	287	304	
2.250 2.500			188 189	210 211	231 232	251 252	270 271	288 289	305 306	
2.750 3.000			190 191	212 213	233 234	253 254	272 273	290 291	307 308	
3.250 3.500	+0	+0	192 193	214 215	235 236	255 256	274 275	292 293	309 310	
3.750 4.000	094	188	194 195	216 217	237 238	257 258	276 277	294 295	311 312	
4.250 4.500			196 197	218 219	239	259 260	278 279	296 297	313 314	
4.750			198	220	241	261	280	298	335	
5.000 5.500	1		199 200 201	221 222	242 243	262 263	281 282	299 300	316 317	
6.000	<u> </u>	1		223	. 244	264	283	301	318	
NOTES:	ERIAL: Nediu	m_carbon steel	. Grade 5	. in accor	dance with	Drocurene	ne anacići	ration		
2. PRO	TECTIVE COATI	NC: Cadmium proads shall be	plating in	accordanc	e with pro	curement s	pecificati:	on.	ices.	
	Handb	ook H28. Minimum thread							•	
<b>4.</b> 100	BUN CENATU.	ance shall be	: plus 3/10	6 inch or	2-1/2 thre	ads, which	ever is gr	eater. On		
		bearing surfa	ce of the	head to t	he first c	omplete th	read shall	not excee	d d	
		the length of	izes large	er than l	inch.		-	en and J-1		
	D HARKING: H	dimensions as leads shall be	marked in	accordanc	e with MIL	specified HDBK-131.	Raised m	arkings ar	•	
7. PAR	T NUMBER: Th	preferred, sta e KS part numb	ber consis	e acceptab ts of the	le. MS number,	plus the	dash numbe	r.		
* 6. Bas	ed on minimum	xample: MS901 ultimate tens	sile stren	gth of 120	,000 p.s.i	. for diam	eters thru	l inch an	d -	
10 th	5,000 p.s.1.	for 1-1/8 thru a indicated in	u 1-1/2 in n Screw-Th	ch diamete read Stand	rs. Tensi ards for F	le strengt 'ederal Ser	hs are cal vices, Han	culated by dbook H28.	•	
		ments shall be re purposes, t							f-	
er	enced herein.	,				•				
in 4.	part; BCVX2.	5290, M\$35292, 12, 10.1; (BC) 4) in part; BC	(X2.13, 2. XX1.2 in	14, 2.15, part: BURY	2.20, 2.21 5, 5.1. 5	2.24, 4.	10, 4.11,	4.12, 4.13	.1.	
iż	, 12.1, 13, 1	3.1.		, ,	.,,	., .,,		-,,		
					•					
P.A. WC	TITL	.4				<del> </del>	4411	718W 2		
Cither Cust SH SC			AP, HEXAGON HEAD (FINISHED HEXAGON BOLT),				), MILI	MS 90726		
^ 82	,	STEEL,GRADE 5,CADMIUM PLATED, UNF-2A								
PROCUMENT LIFE	CIFICATION SUP	supressions _						2 0		

TABLE II

5305

See note 11