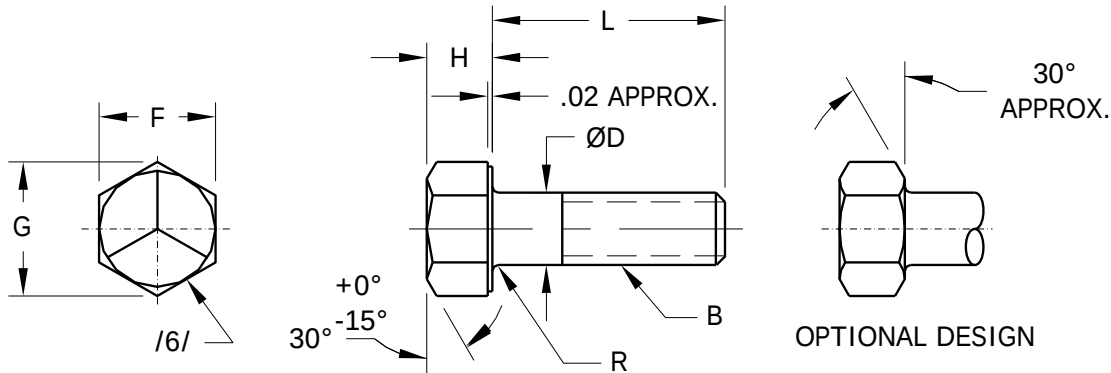


FED. SUPPLY CLASS

5305



CROSS REFERENCE OF PART NUMBERS

THE SCREWS COVERED BY DASH NUMBERS GIVEN IN MS35289, MS35291, MS35293, MS35295, MS35297 AND MS35299 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.

② COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS90725, REVISION D AMENDMENT 1. PART NUMBERS REMAIN MS90725.

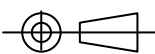
THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-S-85	TITLE SCREW, CAP, HEXAGON HEAD (FINISHED HEXAGON BOLT), STEEL, GRADE 5, CADMIUM PLATED, UNC-2A	CLASSIFICATION PART STANDARD MS90725 SHEET 1 OF 4

TABLE I – DIMENSIONS

NOMINAL SIZE			1/4	5/16	3/8	7/16	1/2	9/16	5/8	3/4	7/8
B THREAD UNC-2A /1/			20	18	16	14	13	12	11	10	9
ØD BODY	MAX		.2500	.3125	.3750	.4375	.5000	.5625	.6250	.7500	.8750
	MIN		.2450	.3065	.3690	.4305	.4930	.5545	.6170	.7410	.8660
F WIDTH ACROSS FLATS	MAX		.4375	.5000	.5625	.6250	.7500	.8125	.9375	1.1250	1.3125
	MIN		.4280	.4890	.5510	.6120	.7360	.7980	.9220	1.1000	1.2850
G WIDTH ACROSS CORNERS	MAX		.505	.577	.650	.722	.866	.938	1.083	1.299	1.516
	MIN		.488	.557	.628	.698	.840	.910	1.051	1.254	1.465
H HEAD HEIGHT	MAX		.163	.211	.243	.291	.323	.371	.403	.483	.563
	MIN		.150	.195	.226	.272	.302	.348	.378	.455	.531
R RADIUS	MAX		.025	.025	.025	.025	.025	.045	.045	.045	.065
	MIN		.015	.015	.015	.015	.015	.020	.020	.020	.040
*MIN TENSILE STRENGTH-LBF /4/			3,800	6,300	9,300	12,800	17,000	21,800	27,100	40,100	55,400
L LENGTH	TOLERANCE		DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.	DASH NO.
	SIZE 3/4 AND UNDER	SIZE 7/8									
.375			1	27	53						
.438			2	28	54	79					
.500			3	29	55	80	104				
.562	+.000 - .031	+.000 - .062	4	30	56	81	105	130			
.625			5	31	57	82	106	131	155		
.750			6	32	58	83	107	132	156	179	
.875			7	33	59	84	108	133	157	180	202
1.000			8	34	60	85	109	134	158	181	203
1.125			9	35	61	86	110	135	159	182	204
1.250			10	36	62	87	111	136	160	183	205
1.375	+.000 - .062	+.000 - .125	11	37	63	88	112	137	161	184	206
1.500			12	38	64	89	113	138	162	185	207
1.750			13	39	65	90	114	139	163	186	208
2.000			14	40	66	91	115	140	164	187	209
2.250			15	41	67	92	116	141	165	188	210
2.500			16	42	68	93	117	142	166	189	211
2.750			17	43	69	94	118	143	167	190	212
3.000			18	44	70	95	119	144	168	191	213
3.250			19	45	71	96	120	145	169	192	214
3.500			20	46	72	97	121	146	170	193	215
3.750	+.000 - .094	+.000 - .188	21	47	73	98	122	147	171	194	216
4.000			22	48	74	99	123	148	172	195	217
4.250			23	49	75	100	124	149	173	196	218
4.500			24	50	76	101	125	150	174	197	219
4.750			25	51	77	102	126	151	175	198	220
5.000			26	52	78	103	127	152	176	199	221
5.500							128	153	177	200	222
6.000							129	154	178	201	223
7.000	+.000 - .180	---					400				
8.000							401				

② COMPLETELY REVISED

REVISION

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NAS Documents

SHEET 2

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