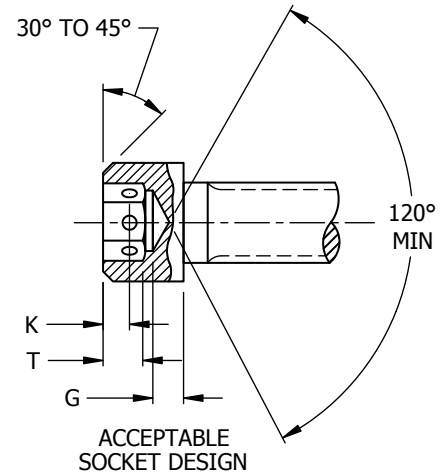
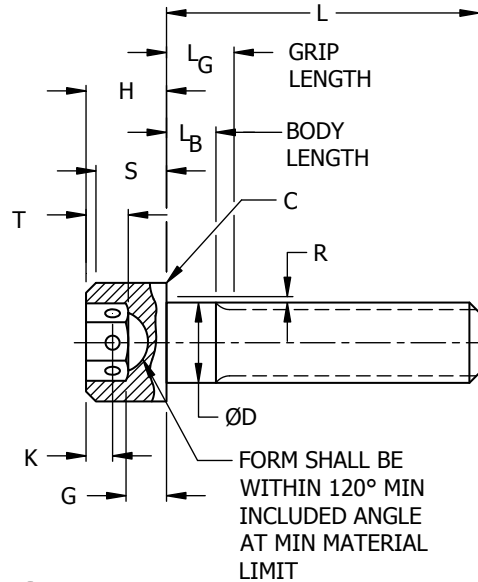
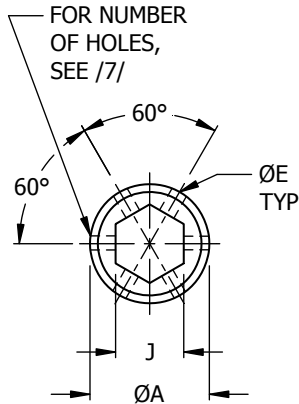


FED. SUPPLY CLASS

5305



② TABLE I – DASH NUMBERS AND DIMENSIONS /5/

NOMINAL SIZE			#4 (.1120)			#6 (.1380)			#8 (.1640)			#10 (.1900)					
THREAD SIZE			.112-40 UNC-3A			.138-32 UNC-3A			.164-32 UNC-3A			.190-24 UNC-3A					
ØD	BODY	MAX	.1120			.1380			.1640			.1900					
		MIN	.1075			.1329			.1585			.1840					
ØA	HEAD	MAX	.183			.226			.270			.312					
		MIN	.176			.218			.262			.303					
H	HEAD HEIGHT	MAX	.112			.138			.164			.190					
		MIN	.108			.134			.159			.185					
S	HEAD SIDE HEIGHT	MIN	.101			.124			.148			.171					
J	SOCKET WIDTH ACROSS FLATS	MAX	.0952			.1111			.1426			.1587					
		MIN	.0937			.1094			.1406			.1562					
T	KEY ENGAGEMENT	MIN	.051			.064			.077			.090					
G	WALL THICKNESS	MIN	.038			.047			.056			.065					
C	CHAMFER OR RADIUS	MAX	.005			.005			.005			.005					
R	FILLET EXTENSION	MAX	.009			.010			.012			.014					
		MIN	.005			.006			.007			.009					
K	HOLE LOCATION	MAX	.040			.050			.060			.065					
		MIN	.026			.035			.040			.045					
ØE	HOLE	MAX	.039			.039			.050			.050					
		MIN	.033			.033			.044			.044					
	RECOMMENDED WIRE DIAMETER	MAX	.028			.028			.040			.040					
		MIN	.020			.020			.032			.032					
/8/	ALIGNMENT PLUG DIA					.025			.030			.030					
/9/	TENSILE STRENGTH, LBF		MIN			1,090			1,640			2,520			3,150		
L LENGTH		TOLERANCE	DASH NO.	L _G MAX	L _B MIN	DASH NO.	L _G MAX	L _B MIN	DASH NO.	L _G MAX	L _B MIN	DASH NO.	L _G MAX	L _B MIN			
.250		+.00 -.03	1			6			13								
.375			2			7			14			22					
.500			3			8			15			23					
.625			4			9			16			24					
.750			5			10			17			25					
.875					11			18			26						
1.000					12			19			27						
1.250		+.00 -.04							20	.38	.22	28	.38	.17			
1.500									21	.38	.22	29	.38	.17			
1.750												30	.88	.67			
2.000												31	.88	.67			

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES MS24677, REVISION D, AMENDMENT 1. PART NUMBERS REMAIN MS24677.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 2
PROCUREMENT SPECIFICATION FF-S-86	TITLE SCREW, CAP, SOCKET HEAD, HEXAGON, DRILLED, ALLOY STEEL (UNC-3A)	CLASSIFICATION PART STANDARD
		NASM24677 SHEET 1 OF 5

② TABLE I – DASH NUMBERS AND DIMENSIONS (CONTINUED) /5/

NOMINAL SIZE			1/4 (.2500)			5/16 (.3125)			3/8 (.3750)			7/16 (.4375) /10/											
THREAD SIZE			.250-20 UNC-3A			.3125-18 UNC-3A			.375-16 UNC-3A			.4375-14 UNC-3A											
ØD	BODY	MAX	.2500			.3125			.3750			.4375											
		MIN	.2435			.3053			.3678			.4294											
ØA	HEAD	MAX	.375			.469			.562			.656											
		MIN	.365			.457			.550			.642											
H	HEAD HEIGHT	MAX	.250			.312			.375			.438											
		MIN	.244			.306			.368			.430											
S	HEAD SIDE HEIGHT	MIN	.225			.281			.337			.394											
J	SOCKET WIDTH ACROSS FLATS	MAX	.1900			.2530			.3160			.3790											
		MIN	.1875			.2500			.3125			.3750											
T	KEY ENGAGEMENT	MIN	.120			.151			.182			.213											
G	WALL THICKNESS	MIN	.095			.119			.143			.166											
C	CHAMFER OR RADIUS	MAX	.008			.008			.008			.010											
R	FILLET EXTENSION	MAX	.014			.017			.020			.023											
		MIN	.009			.012			.015			.018											
K	HOLE LOCATION	MAX	.085			.104			.123			.141											
		MIN	.065			.084			.103			.121											
ØE	HOLE	MAX	.050			.050			.067			.067											
		MIN	.044			.044			.061			.061											
RECOMMENDED WIRE DIAMETER		MAX	.040			.040			.057			.057											
		MIN	.032			.032			.045			.045											
/8/	ALIGNMENT PLUG DIA		.030			.030			.051			.051											
/9/	TENSILE STRENGTH, LBF		MIN	5,400			8,900			13,200			18,100										
L LENGTH		TOLERANCE		DASH NO.	L _G MAX	L _B MIN	DASH NO.	L _G MAX	L _B MIN	DASH NO.	L _G MAX	L _B MIN	DASH NO.	L _G MAX	L _B MIN								
		SIZE																					
		.375 OR UNDER	.4375 AND OVER																				
.375		+.00 −.03	+.00 −.03	32			46			62			80										
.500				33			47									63	81						
.625				34			48									64	82						
.750				35			49									65	83						
.875				36			50									66	84						
1.000				37			51									67	85						
1.250		+.00 −.04	+.00 −.06	38			52			68			86										
1.500				39			.50			.25			53			69	.50	.19	87				
1.750				40			.50			.25			54			.62	.35	70	.50	.19	88	.62	.27
2.000				41			1.00			.75			55			.62	.35	71	1.00	.69	89	.62	.27
2.250				42			1.00			.75			56			1.12	.85	72	1.00	.69	90	1.12	.77
2.500				43			1.50			1.25			57			1.12	.85	73	1.50	1.19	91	1.12	.77
2.750		+.00 −.06	+.00 −.08	44	1.50	1.25	58	1.62	1.35	74	1.50	1.19	92	1.62	1.27								
3.000				45	2.00	1.75	59	1.62	1.35	75	2.00	1.69	93	1.62	1.27								
3.250				60	2.12	1.85	76	2.00	1.69	94	2.12	1.77											
3.500				61	2.12	1.85	77	2.50	2.19	95	2.62	2.27											
4.000																							
4.500																							
5.000																							

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THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
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REVISION DATE.

FORM 12-01

REVISION
2
NASM24677
SHEET 2



Documents

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