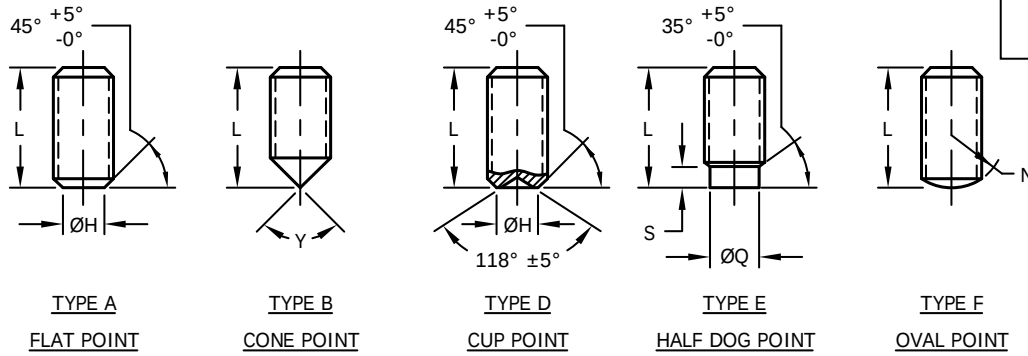
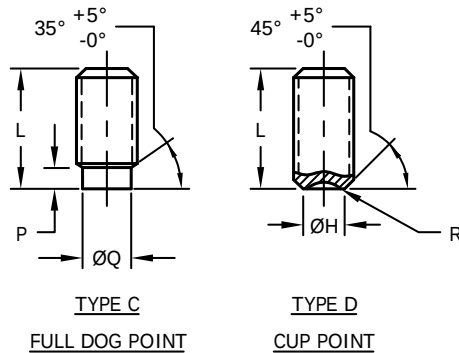


FED.SUPPLY CLASS

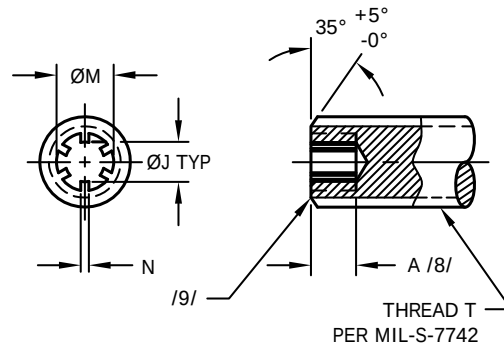
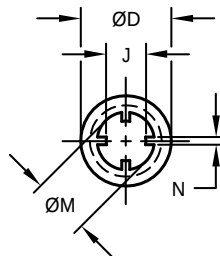
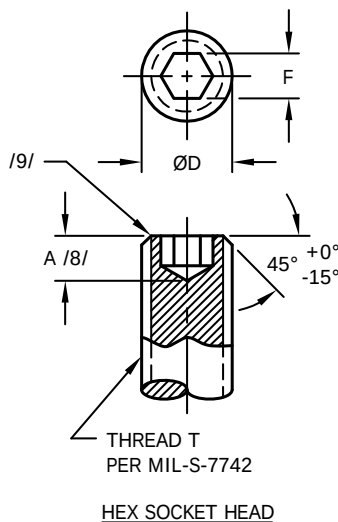
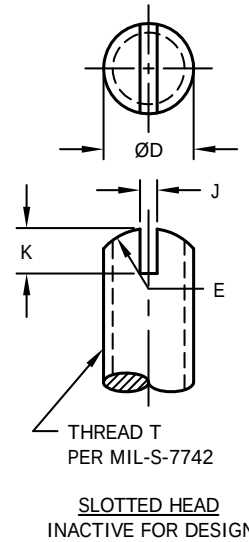
5305



PREFERRED POINT STYLES



INACTIVE FOR DESIGN



FLUTED SOCKET HEAD
(NO. 2, 4 AND 6 SIZES ONLY)

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES AN565, REVISION 7. PART NUMBERS REMAIN AN565.

THIRD
ANGLE
PROJECTION

PROCUREMENT
SPECIFICATION

FF-S-200

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

SETSCREW, HEXAGON AND FLUTED SOCKET, HEADLESS

REVISION

3

CLASSIFICATION
PART STANDARD

AN565

SHEET 1 OF 5

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 09-01

REVISION DATE: MARCH 31, 2014

ISSUE DATE: SEPTEMBER 1999

③ TABLE I – DIMENSIONS

NOM SIZE	THREAD T	ØD MAX	FLUTED SOCKET HEAD						
			NUMBER OF FLUTES	ØJ		ØM		N	
				SOCKET DIAMETER, MINOR		SOCKET DIAMETER, MAJOR		SOCKET LAND WIDTH	
				MAX	MIN	MAX	MIN	MAX	MIN
NO. 2	.0860-56 UNC-3A	.086	4	.0395 ~~.0390~~	.0375	.050	.049	.017	.016
NO. 4	.1120-40 UNC-3A	.112	6	.051	.050	.062	.061	.014	.013
NO. 6	.1380-32 UNC-3A	.138	4	.0575 ~~.056~~	.055	.079	.078	.023	.022

NO.'S 2 AND 6 ARE INACTIVE FOR NEW DESIGN AFTER 15 MAY 1994

③ TABLE I – DIMENSIONS (CONTINUED)

NOM SIZE	THREAD T	ØD MAX	HEX SOCKET HEAD		SLOTTED HEAD			TYPES A AND D			TYPE B Y		TYPES E AND C				TYPE F	
			F		E RAD	J NOM	K NOM	ØH		R SPHER RAD	118°±2° FOR LENGTHS AND UNDER	90°±2° FOR LENGTHS AND OVER	ØQ		S NOM	P NOM		N RAD /11/
			MAX	MIN				MAX	MIN				MAX	MIN				
NO. 2	.0860-56 UNC-3A	.086	.0355	.0350	~~.052~~	~~.018~~	~~.022~~	.047	.039	.031	.094	.109	.057	.053	.022	.044	.064	
NO. 3	.0990-48 UNC-3A	.099	.0510	.0500	~~.060~~	~~.018~~	~~.025~~	.054	.045	.037	.109	.125	.066	.062	.025	.050	.074	
NO. 4	.1120-40 UNC-3A	.112	.0510	.0500	~~.067~~	~~.020~~	~~.028~~	.061	.051	.040	.125	.156	.075	.070	.028	.056	.084	
NO. 5	.1250-40 UNC-3A	.125	.0635	.0625	~~.075~~	~~.023~~	~~.031~~	.067	.057	.045	.125	.188	.083	.078	.030	.060	.094	
NO. 6	.1380-32 UNC-3A	.138	.0635	.0625	~~.083~~	~~.025~~	~~.031~~	.074	.064	.045	.125	.188	.092	.087	.035	.070	.104	
NO. 8	.1640-32 UNC-3A	.164	.0791	.0781	~~.099~~	~~.029~~	~~.041~~	.087	.076	.050	.188	.250	.109	.103	.040	.080	.123	
NO. 10	.1900-24 UNC-3A	.190	.0952	.0937	~~.114~~	~~.032~~	~~.048~~	.102	.088	.060	.188	.250	.127	.120	.045	.090	.142	
NO. 10	.1900-32 UNF-3A	.190	.0952	.0937	~~.114~~	~~.032~~	~~.048~~	.102	.088	.060	.188	.250	.127	.120	.045	.090	.142	
1/4	.2500-20 UNC-3A	.250	.1270	.1250	~~.151~~	~~.045~~	~~.063~~	.132	.118		.250	.313	.156	.149	.063	.126	.188	
1/4	.2500-28 UNF-3A	.250	.1270	.1250	~~.151~~	~~.045~~	~~.063~~	.132	.118		.250	.313	.156	.149	.063	.126	.188	
5/16	.3125-18 UNC-3A	.3125	.1587	.1562	~~.188~~	~~.051~~	~~.078~~	.172	.156		.313	.375	.203	.195	.078	.156	.234	
5/16	.3125-24 UNF-3A	.3125	.1587	.1562	~~.188~~	~~.051~~	~~.078~~	.172	.156		.313	.375	.203	.195	.078	.156	.234	
3/8	.3750-16 UNC-3A	.375	.1900	.1875	~~.226~~	~~.064~~	~~.094~~	.212	.194		.375	.438	.250	.241	.094	.188	.281	
3/8	.3750-24 UNF-3A	.375	.1900	.1875	~~.226~~	~~.064~~	~~.094~~	.212	.194		.375	.438	.250	.241	.094	.188	.281	
1/2	.5000-13 UNC-3A	.500	.2530	.2500	~~.301~~	~~.081~~	~~.125~~	.291	.270		.500	.563	.344	.334	.125	.250	.375	
1/2	.5000-20 UNF-3A	.500	.2530	.2500	~~.301~~	~~.081~~	~~.125~~	.291	.270		.500	.563	.344	.334	.125	.250	.375	

REVISION

3

NAS Documents
SHEET 2



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