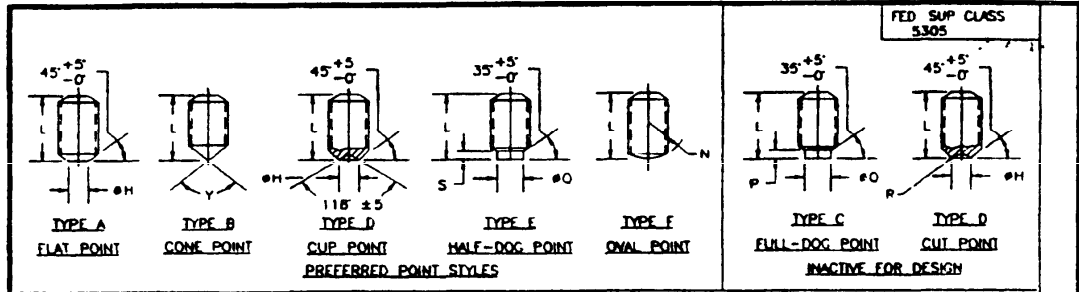
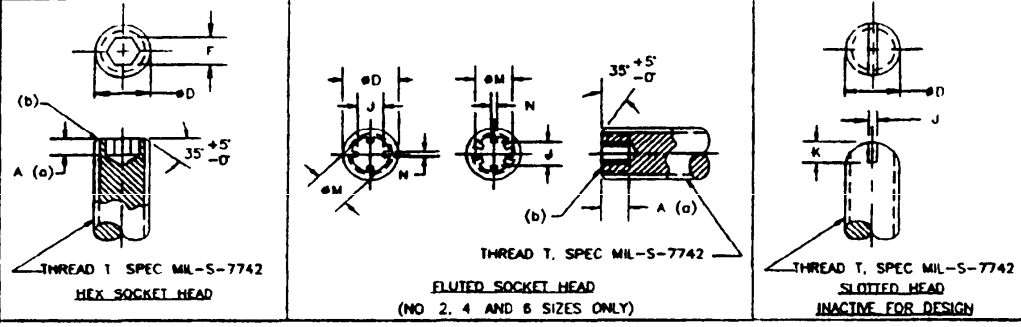


REVERSE SYMBOLS



FED SUP CLASS
5305

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NOM SIZE	THREAD T	#D MAX	NUMBER OF FLUTES	FLUTED SOCKET HEAD					
				J		M		N	
				SOCKET DIAMETER, MINOR		SOCKET DIAMETER, MAJOR		SOCKET LAND WIDTH	
NO 2	NO 2-56UNC-3A	.086	4	.038	.0375	.050	.049	.017	.016
NO 4	NO 4-40UNC-3A	.112	6	.051	.050	.062	.061	.014	.013
NO 6	NO 6-32UNC-3A	.138	4	.056	.055	.079	.078	.023	.022

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

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NOM SIZE	THREAD T	#D MAX	HEX SOCK HEAD		SLOTTED HEAD		TYPES A AND D		TYPE B		TYPES E AND C		TYPE F				
			F	R	J	K	#H	R SPHER RAD	Y		#O	S		P			
									118° ±2' FOR LENGTHS AND UNDER	90° ±2' FOR LENGTHS AND OVER							
NO 2	NO.2-56UNC-3A	.086	.0355	.0350	.052	.018	.022	.047	.039	.031	3/32	7/64	.057	.053	.022	.043	.183
NO 3	NO 3-48UNC-3A	.099	.0510	.0500	.080	.018	.025	.054	.045	.037	7/64	1/8	.086	.082	.025	.050	.078
NO 4	NO 4-40UNC-3A	.112	.0510	.0500	.087	.020	.028	.061	.051	.040	1/8	5/32	.075	.070	.028	.056	.084
NO 5	NO.5-40UNC-3A	.125	.0635	.0625	.075	.023	.031	.067	.057	.045	1/8	3/16	.083	.078	.030	.060	.094
NO 6	NO 6-32UNC-3A	.138	.0635	.0625	.083	.025	.036	.074	.064	.045	1/8	3/16	.092	.087	.035	.070	.109
NO 8	NO 8-32UNC-3A	.164	.0791	.0781	.099	.028	.041	.087	.078	.050	3/16	1/4	.109	.103	.040	.080	.125
NO 10	NO 10-24UNC-3A	.190	.0947	.0937	.114	.032	.048	.102	.088	.060	3/16	1/4	.127	.120	.045	.090	.141
NO 10	NO 10-32UNF-3A	.190	.0947	.0937	.144	.032	.048	.102	.088	.060	3/16	1/4	.127	.120	.045	.090	.141
1/4	1/4-20UNC-3A	.250	1270	1250	.151	.045	.063	.132	.118		1/4	5/16	.156	.149	.063	.125	.188
3/16	3/16-18UNC-3A	.3125	1582	1562	.188	.051	.078	.172	.156		5/16	3/8	.203	.195	.078	.156	.234
5/16	5/16-24UNF-3A	.3125	1582	1562	.188	.051	.078	.172	.156		5/16	3/8	.203	.195	.078	.156	.234
3/8	3/8-16UNC-3A	.375	1895	1875	.226	.064	.094	.212	.194		3/8	7/16	.250	.241	.094	.188	.281
3/8	3/8-24UNF-3A	.375	1895	1875	.226	.064	.094	.212	.194		3/8	7/16	.250	.241	.094	.188	.281
1/2	1/2-13UNF-3A	.500	2520	2500	.301	.081	.125	.291	.270		1/2	9/16	.344	.334	.124	.250	.375
1/2	1/2-20UNF-3A	.500	2520	2500	.301	.081	.125	.291	.270		1/2	9/16	.344	.334	.124	.250	.375

ENTIRE STANDARD REVISED

P.A. DLA-15	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN565
Other Cust	SETScrew-HEXAGON AND FLUTED SOCKET, HEADLESS	
PROCUREMENT SPECIFICATION FT-5-200	SUPERSEDES USAF DRAWINGS 565 AND 586	SHEET 1 OF 3

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT NO 5305-2031

APPROVED 26 FEB 54
 REVISED 1 26 FEB 54 2 24 JUN 60 3 29 DEC 72 4 8 NOV 74 5 23 JUN 75 6 15 MAY 1994

FED SUP CLASS
5305

THE NO 7 SIZE IS NON-PREFERRED FOR AIRFRAME USE
 NO 3-48, NO 5-40, NO 10-24 1/4-20 5/16-18, 3/8-16 AND 1/2-13 COARSE THREAD SETSCREWS
INACTIVE FOR NEW DESIGN AFTER 1 JULY 1954
 NO 4-1 IS INACTIVE FOR NEW DESIGN AFTER 15 MAY 1994

COARSE
THREADS

L LENGTH	DASH NUMBERS										
	NO 2-56	NO 3-48	NO 4-40	NO 5-40	NO 6-32	NO 8-32	NO 10-24	1/4-20	5/16-18	3/8-16	1/2-13
1/16 ± 010	2-1	3-1	4-1	5-1	6-1	8-1	10-1	416-3	516-4	616-6	
1/8 ± 010	2-2	3-2	4-2	5-2	6-2	8-2					
3/16 ± 010	2-3	3-3	4-3	5-3	6-3	8-3	10-3	416-3			
1/4 ± 010	2-4	3-4	4-4	5-4	6-4	8-4	10-4	416-4	516-4		
5/16 ± 010	2-5	3-5	4-5	5-5	6-5	8-5	10-5	416-5	516-5		
3/8 ± 010			4-6	5-6	6-6	8-6	10-6	416-6	516-6	616-6	
7/16 ± 010			4-7	5-7	6-7	8-7	10-7				
1/2 ± 010			4-8		6-8	8-8	10-8	416-8	516-8	616-8	816-8
9/16 ± 010			4-9		6-9	8-9	10-9				
5/8 ± 010			4-10		6-10	8-10	10-10	416-10	516-10	616-10	816-10
3/4 ± 011					6-12	8-12	10-12	416-12	516-12	616-12	816-12
7/8 ± 013					6-14	8-14		416-14	516-14	616-14	816-14
1 ± 015						8-16		416-16	516-16	616-16	816-16
1-1/4 ± 019								416-20	516-20	616-20	816-20
1-1/2 ± 022								416-24	516-24	616-24	816-24
1-3/4 ± 026									516-28	616-28	816-28
2 ± 030									516-32	616-32	816-32
2-1/4 ± 031											816-36
2-1/2 ± 031											816-40
2-3/4 ± 031											816-44
3 ± 031											816-48

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FINE THREADS

L LENGTH	DASH NUMBERS				
	NO 10-32	1/4-28	5/16-24	3/8-24	1/2-20
1/8 ± 010	1032-2				
3/16 ± 010	1032-3	428-3			
1/4 ± 010	1032-4	428-4	524-4		
5/16 ± 010	1032-5	428-5	524-5		
3/8 ± 010	1032-6	428-6	524-6	624-6	820-6
7/16 ± 010	1032-7	428-7			
1/2 ± 010	1032-8	428-8	516-8	624-8	820-8
9/16 ± 010	1032-9	428-9			
5/8 ± 010	1032-10	428-10	524-10	624-10	820-10
3/4 ± 011	1032-12	428-12	524-12	624-12	820-12
7/8 ± 013		428-14	524-14	624-14	820-14
1 ± 015	1032-18	428-16	524-16	624-16	820-16
1-1/4 ± 019	1032-20	428-20	524-20	624-20	820-20
1-1/2 ± 022		428-24	524-24	624-24	820-24
1-3/4 ± 026			524-28	624-28	820-28
2 ± 030			524-32	624-32	820-32
2-1/4 ± 031					
2-1/2 ± 031					820-40
2-3/4 ± 031					
3 ± 031					820-48

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PA DLA-IS	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN565
Other Cust	SETScrew-HEXAGON AND FLUTED SOCKET, HEADLESS	
PROCUREMENT SPECIFICATION FF-5-200	SUPERSEDES USAF DRAWINGS 565 AND 566	SHEET 2 OF 3

APPROVED 26 FEB 54 REVISED 6 ENTIRE STANDARD REVISED

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

FED SUP CLASS
5305

- (a) SOCKET DEPTH A THE DEPTH OF SOCKET SHALL BE AS GREAT AS PRACTICABLE BUT VARYING CONDITIONS PENDER IT INADVISABLE TO SPECIFY DEFINITE VALUES FOR THIS DIMENSION
- (b) SOCKET END OF SCREW SHALL BE FLAT AND CHAMFERED THE CHAMFER SHALL EXTEND TO THE BOTTOM OF THE THREAD AND THE EDGE BETWEEN FLAT AND CHAMFER SHALL BE SLIGHTLY ROUNDED
- (c) NO 3-48 5-40, 10 24, 1/4-20 5/16-18 3/8-16 1/2-13 SETSCREWS INACTIVE FOR DESIGN AFTER 1 JULY 1954
SLOTTED HEAD SETSCREWS INACTIVE FOR DESIGN AFTER 1 JULY 1954 USE HEXAGON SOCKET SETSCREWS NO 2 AND 6 SIZE FLUTED SOCKET HEAD SETSCREWS ARE INACTIVE FOR NEW DESIGN AFTER 15 MAY 1994 DIMENSIONS IN INCHES

REQUIREMENTS

- 1 MATERIAL STEEL IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION
CORROSION RESISTANT STEEL IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION
- 2 FINISH STEEL - CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416 TYPE II CLASS 2 PARTS WITH CLASS 3 PLATING
MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL 1 JANUARY 1975
CRES - PASSIVATE IN ACCORDANCE WITH QQ-P-35
- 3 HEXAGON SOCKET AND FLUTED SOCKET SETSCREWS MAY BE SPECIFIED WITH ANY POINT STYLE SHOWN FINISHED POINT ON TYPE D SETSCREW MAY BE SUPPLIED AS OPTIONAL
- 4 CODES
ADD POINT STYLE TYPE BEFORE FIRST DASH NUMBER
ADD H BETWEEN DASH NUMBERS FOR SETSCREW WITH HEXAGON SOCKET HEAD
ADD L BETWEEN DASH NUMBERS FOR SETSCREW WITH FLUTED SOCKET HEAD (NO 2, 4 AND 6 SIZES, ONLY)
(c) DASH BETWEEN DASH NUMBERS DESIGNATES SLOTTED HEAD SETSCREW (INACTIVE FOR DESIGN)
ADD C AFTER POINT STYLE TYPE TO DESIGNATE CORROSION RESISTING STEEL SETSCREWS

5 PART NUMBERS

- EXAMPLES OF PART NUMBERS
- AN565B10J2H12 = SETSCREW WITH TYPE B POINT WITH HEXAGON SOCKET HEAD, NO 10-32 SIZE (190 INCH DIA), 3/4 (12/16) IN LONG, STEEL
 - AN565B4L5 = SETSCREW WITH TYPE B POINT, WITH FLUTED SOCKET HEAD, NO.4-40 SIZE (112 INCH DIA) 5/16 INCH LONG STEEL
 - (c) AN565A10-12 = SETSCREW WITH TYPE A POINT, WITH SLOTTED HEAD NO 10-24 SIZE (190 INCH DIA), 3/4(12/16) INCH LONG STEEL (INACTIVE FOR DESIGN)
 - AN565BC10J2H12 = SETSCREW WITH TYPE B POINT, WITH HEXAGON SOCKET HEAD, NO 10-32 SIZE, 3/4 INCH LONG, CORROSION RESISTING STEEL

- 6 THE LIST OF SETSCREWS THAT ARE CONSIDERED AS STANDARD STOCK ITEMS IS INCLUDED IN SPECIFICATION FF-S-103
- 7 SCREWS WITH NATIONAL CLASS 3 THREAD MAY BE SUBSTITUTED FOR UNIFIED CLASS 3A THREADS UNTIL EXISTING STOCKS OF NATIONAL CLASS 3 SCREWS ARE DEPLETED UNIFIED CLASS 3A WILL BE MANDATORY ON ALL SCREWS SUPPLIED AFTER 1 JANUARY 1956

NOTES

- 1 DIMENSIONS IN INCHES UNLESS OTHERWISE SPECIFIED, TOLERANCES FRACTIONS +/-1/64, DECIMALS +/- .005
- 2 IN THE EVENT OF A CONFLICT BETWEEN THE TEXT OF THIS DOCUMENT AND THE REFERENCES CITED HEREIN, THE TEXT OF THIS DOCUMENT SHALL TAKE PRECEDENCE.
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FF-565 UBDLS

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PA DLA-15	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN565
Other Cust	SETSCREW-HEXAGON AND FLUTED SOCKET, HEADLESS	
PROCUREMENT SPECIFICATION FF-S-200	SUPERSEDES USAF DRAWINGS 565 AND 566	SHEET 3 OF 3

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT NO 5305-2031

APPROVED 26 FEB 54 REVISED (6) ENTIRE STANDARD REVISED