



[illegible]

THE NO 2 SIZE IS NOT-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

FED SUP CLASS  
5305

## COARSE THREADS

[illegible]

## 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	1032-16	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

APPROVED 26 FEB 54 REVISED 6 ENTIRE STANDARD REVISED

PA DIA-15

Other Cust

AIR FORCE - NAVY AERONAUTICAL STANDARD

**SETSCREW-HEXAGON AND FLUTED SOCKET, HEADLESS**

PROCUREMENT SPECIFICATION  
FF-S-200

SUPPERSEDES USAF DRAWINGS 565 AND 566

AN565

PROJECT NO. 5505-2031

FF-5-200

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- (a) SOCKET DEPTH A - THE DEPTH OF SOCKET SHALL BE AS GREAT AS PRACTICABLE BUT VARYING CONDITIONS RENDER 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 - PASSIVATED IN ACCORDANCE WITH QQ-P-35
3. HEXAGON SOCKET AND FLUTED SOCKET SETSCREWS MAY BE SPECIFIED WITH ANY POINT STYLE SHOWN. ROUNDED 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  
AN565B1032H12 = 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)  
AN565BC1032H12 = 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-5-103
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  $\pm 1/64$ , DECIMALS  $\pm .005$
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.
3. UNLESS OTHERWISE SPECIFIED, ISSUES OF REFERENCED DOCUMENTS ARE THOSE IN EFFECT AT THE TIME OF SOLICITATION

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 586	SHEET 3 OF 3

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT NO 5305-2031

APPROVED 26 FEB 54 REVISED (6) ENTIRE STANDARD REVISED