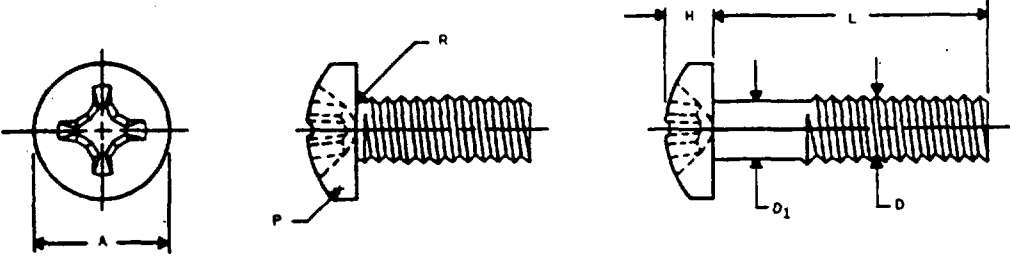


			FED. SUP CLASS 5305					
								
D NOMINAL SIZE			.060	.066	.112	.138	.164	
THREADS PER INCH			80UNF	64UNF	48UNF	40UNF	36UNF	
D1 BODY DIAMETER			MAX MIN	.0600 .0496	.0860 .0733	.1120 .0954	.1380 .1184	.1640 .1424
A HEAD DIAMETER			MAX MIN	.116 .104	.167 .155	.219 .205	.270 .256	.322 .306
H HEAD HEIGHT			MAX MIN	.044 .036	.062 .053	.080 .070	.097 .087	.115 .105
P HEAD RADIUS			MIN	.005	.010	.010	.015	.015
R FILLET RADIUS			MAX	.009	.013	.017	.021	.025
DRIVER SIZE			0	1	1	2	2	
** MINIMUM TENSILE STRENGTH LOAD LBS.			140	310	550	810	1,180	
L LENGTH TOLERANCE			DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER	
THREADED TO WITHIN A DISTANCE OF NOT LESS THAN 2 THREADS OF THE BEARING SURFACE OF THE HEAD	1/8	+0 -1/32	120	1	11	24	39	
	3/16		121	2	12	25	40	
	1/4		122	3	13	26	41	
	5/16		123	4	14	27	42	
	3/8		124	5	15	28	43	
	7/16	125	6	16	29	44		
	1/2	126	7	17	30	45		
	5/8		8	18	31	46		
	3/4		9	19	32	47		
	7/8		10*	20	33	48		
1			21	34	49			
1-1/4	+0 -1/16		22*	35	50			
1-1/2			23*	36	51			
1 3/4				37	52			
2				38	53			
MINIMUM COMPLETE THREAD LENGTH OF 1-3/4	2-1/4	+0 -3/32				54*		
	2-1/2					55*		
	2-3/4					56*		
	3					57*		
* INDICATES MANUFACTURER'S NON-STOCK PRODUCTION ITEMS. ** BASED ON 80,000 PSI MINIMUM TENSILE STRENGTH. LOAD POUNDS ARE CALCULATED BY THE STRESS AREAS INDICATED IN FED-STD-H28. REQUIREMENTS:- MATERIAL: STEEL, CORROSION-RESISTING, 300 SERIES AS SPECIFIED IN QQ-S-763 AND FED-STD-66, COMPOSITION 304 OR 316 OR EQUAL TO OR INTERCHANGEABLE WITH 16:18 OR 18:8 CHROMIUM-NICKEL ALLOY STEEL. PROTECTIVE COATING OR TREATMENT: CLEANED AND DESCALED IN ACCORDANCE WITH ASTM A380-78. BLACK OXIDE COATING IN ACCORDANCE WITH PROCUREMENT SPECIFICATION (WHEN BLACK OXIDE COATING IS REQUIRED, THE DASH NUMBER SHALL BE FOLLOWED BY A "B"). MAGNETIC PERMEABILITY: THE SCREW SHALL MEET THE MAGNETIC PERMEABILITY REQUIREMENTS OF THE PROCUREMENT SPECIFICATION. THREADS: THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/2. RECESS: THE RECESS SHALL BE IN ACCORDANCE WITH MS9006. PART NUMBER: THE MS PART NUMBER CONSISTS OF THE MS NUMBER PLUS THE DASH NUMBER AND CODE LETTER IF APPLICABLE (SEE REQ. 2). EXAMPLE: MS51958-45; CLEANED AND DESCALED. MS51958-45B; BLACK OXIDE COATED. NOTES:- DIMENSIONS: ALL DIMENSIONS ARE IN INCHES. - REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BIDS, OR REQUEST FOR PROPOSAL EXCEPT THAT REFERENCED ADOPTED INDUSTRY DOCUMENTS SHALL GIVE THE DATE OF THE ISSUE ADOPTED. - FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN. (C) ENTIRE STANDARD REVISED								
P. A. AR Other Code AS 99		INTERNATIONAL INTEREST	TITLE SCREW, MACHINE PAN-HEAD, CROSS-RECESSED, CORROSION RESISTING STEEL, UNF-2A			MILITARY STANDARD MS 51958		
PROCUREMENT SPECIFICATION FF-S-92		SUPERSEDES: MS35217, MS35234 AND IN PART: MS35357, MS35359 THRU MS35362, MS35364 THRU MS35366, AND 20 AND AND 26.			PAGE 1 of 4			

User Activities:
ARMY-AR
NAVY-NCARMY - AT, AV, EA, MI
AIR FORCE - B2
DLA - IS
NSA - NS

This military standard is approved for use by all departments and Agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document, when applicable.

				FED. SUP. CLASS 5305			
D	NOMINAL SIZE			.190	.250	.3125	.375
	THREADS PER INCH			32UNF	28UNF	24UNF	24UNF
D ₁	BODY DIAMETER	MAX		.1900	.2500	.3125	.3750
		MIN		.1858	.2225	.2806	.3430
A	HEAD DIAMETER	MAX		.375	.492	.615	.740
		MIN		.357	.473	.594	.716
H	HEAD HEIGHT	MAX		.133	.175	.218	.261
		MIN		.122	.162	.203	.244
P	HEAD RADIUS	MIN		.020	.035	.040	.040
R	FILLET RADIUS	MAX		.029	.038	.047	.056
	DRIVER SIZE			2	3	4	4
**	MINIMUM TENSILE STRENGTH LOAD LBS.			1,600	2,920	4,640	7,020
L	LENGTH	TOLERANCE		DASH NUMBER	DASH NUMBER	DASH NUMBER	DASH NUMBER
THREADED TO WITHIN A DISTANCE OF NOT LESS THAN 2 THREADS OF THE BEARING SURFACE OF THE HEAD	1/8	+0 -1/32		58*			
	3/16						
	1/4			76			
	5/16						
	3/8			77	92		
	7/16		78	93			
	1/2		79	94	107		
	5/8		80	95	108		
	3/4		81	96	109		
	7/8		82	97	110		
	1		83	98	111		
	1-1/4	+0 -1/16		84	99	112	
1-1/2			85	100	113		
1-3/4			86	101	114		
2			87	102	115		
			72	88	103	116	
MINIMUM COMPLETE THREAD LENGTH OF 1-3/4	2-1/4	+0 -3/32		73	89	104	117
	2-1/2			74*	90*	105*	118
	2-3/4			75*	91*	106*	119
	3						
* Indicates manufacturer's non-stock production items. ** Based on 80,000 PSI minimum tensile strength. Load pounds are calculated by the stress areas indicated in FED-STD-H28. NOTE: For Applicable Requirements and Notes, See page 1.							
P. A. AR Other Code AS 99				INTERNATIONAL INTEREST		TITLE SCREW, MACHINE-PAN HEAD, CROSS RECESSED, CORROSION RESISTING STEEL, UNF-2A	
PROCUREMENT SPECIFICATION				SUPERSEDES: MS35217, MS35234 AND IN PART: MS35357, MS35399 THRU MS35362, MS35364 THRU MS35366, AN520 AND AN526.		MILITARY STANDARD MS 51958	
						PAGE 2 OF 4	

APPROVED 12 DEC 63
REVISION C FOR CHANGES SEE PAGES 1, 2, 3 AND 4

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User activities:
ARMY-NE
NAVY-MC

Review activities:
ARMY - AT, AV, EA, MI
DLA - IS
NSA - NS

This military standard is approved for use by all departments and agencies of the Department of Defense. Selection for all new engineering and design applications and for repetitive use shall be made from this document, when applicable.

INTERCHANGEABILITY TABLE										FED. SUP. CLASS. 5305	
The screws covered by the dash numbers given in MS35217, MS35234, AN520 in part and AN526 in part, are cancelled/ inactivated after the dates indicated on the documents. Use the dash numbers given in the preceding sheets. 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. Replacement shall be in accordance with this table.											
CROSS REFERENCE OF PART NUMBERS											
CANCELLED										NEW	
MS35234		MS35217		AN520				AN526		MS51958	
				DASH NUMBER						DASH NUMBER	
1	1	COR2 thru C1R8				CO-2 thru C1-8				No Replacement	
2	2	C2R5				C2-3				1	
3	3	C2R4				C2-4				2	
4	4	C2R5				C2-5				3	
5	5	C2R6				C2-6				4	
6	6	C2R7				C2-7				5	
7	7	C2R8				C2-8				6	
8	8	C2R10				C2-10				7	
9	9	C2R12				C2-12				8	
10										9	
										10	
11	10	C3R5 thru C3R12				C3-3 thru C3-12				No Replacement	
12	11	C4R5				C4-3				11	
13	12	C4R4				C4-4				12	
14	13	C4R5				C4-5				13	
15	14	C4R6				C4-6				14	
16	15	C4R7				C4-7				15	
17	16	C4R8				C4-8				16	
18	17	C4R10				C4-10				17	
19	18	C4R12				C4-12				18	
20	19	C4R14				C4-14				19	
21	20	C4R16				C4-16				20	
		C4R18				C4-18				21	
22		C4R20				C4-20				No Replacement	
		C4R22				C4-22				22	
23		C4R24				C4-24				No Replacement	
		C4R26				C4-26				23	
		C4R28				C4-28				No Replacement	
		C5R4 thru C5R28				C5-4 thru C5-28				No Replacement	
24	21							C64OR4		C640-4	
25	22							C64OR5		C640-5	
26	23	C6R4				C6-4		C64OR6		C640-6	
27	24	C6R5				C6-5		C64OR7		C640-7	
28	25	C6R6				C6-6		C64OR8		C640-8	
29	26	C6R7				C6-7		C64OR9		C640-9	
30	27	C6R8				C6-8		C64OR10		C640-10	
		C6R10				C6-10		C64OR12		C640-12	
31	28	C6R12				C6-12		C64OR14		C640-14	
32	29	C6R14				C6-14		C64OR16		C640-16	
33	30	C6R16				C6-16		C64OR18		C640-18	
34	31	C6R18				C6-18		C64OR20		C640-20	
35	32	C6R20				C6-20		C64OR22		C640-22	
		C6R22				C6-22		C64OR24		C640-24	
36	33	C6R24				C6-24		C64OR26		C640-26	
		C6R26				C6-26		C64OR28		C640-28	
37	34	C6R28				C6-28		C64OR30		C640-30	
		C6R30				C6-30		C64OR32		C640-32	
38	35	C6R32				C6-32		C64OR36		C640-36	
		C6R36				C6-36		C64OR40		C640-40	
		C6R40				C6-40		C64OR44		C640-44	
								C64OR48		C640-48	
39	36									No Replacement	
40	37									39	
41	38	C8R4				C8-4		C836R4		C836-4	
42	39	C8R5				C8-5		C836R5		C836-5	
43	40	C8R6				C8-6		C836R6		C836-6	
44	41	C8R7				C8-7		C836R7		C836-7	
45	42	C8R8				C8-8		C836R8		C836-8	
		C8R10				C8-10		C836R9		C836-9	
46	43	C8R12				C8-12		C836R10		C836-10	
47	44	C8R14				C8-14		C836R12		C836-12	
48	45	C8R16				C8-16		C836R14		C836-14	
49	46	C8R18				C8-18		C836R16		C836-16	
		C8R20				C8-20		C836R18		C836-18	
50	47	C8R22				C8-22		C836R20		C836-20	
		C8R24				C8-24		C836R22		C836-22	
51	48	C8R26				C8-26		C836R24		C836-24	
								C836R26		C836-26	
(CONTINUED ON PAGE 4)											

P. A. AR	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Coat		SCREW, MACHINE PAN HEAD CROSS RECESSED,	MS 51958
AS		CORROSION RESISTING STEEL, UNF 2A	
99			PAGE 3 OF 4
PROCUREMENT SPECIFICATION		SUPERSEDES: MS35217, MS35234 and in part: MS35357, MS35359 thru MS35362, MS35364 thru MS35366, AN520 and AN526.	
FF-3-92			

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INTERCHANGEABILITY TABLE (Continued)						FED. SUP CLASS 5305
CROSS REFERENCE OF PART NUMBERS						
CANCELLED					NEW	
MS35234	MS35217	AMS20	AMS26	MS51928		
DASH NUMBER					DASH NUMBER	
52	49	C8R28	C8-28	C836R28	C836-28	
53	50	C8R30	C8-30	C836R30	C836-30	
54		C8R32	C8-32	C836R32	C836-32	
55		C8R36	C8-36	C836R36	C836-36	
56		C8R40	C8-40	C836R40	C836-40	
57		C8R44	C8-44	C836R44	C836-44	
58		C8R48	C8-48	C836R48	C836-48	
59	51	C10R4	C10-4	C1032R4	C1032-4	
60	52	C10R5	C10-5	C1032R5	C1032-5	
61	53	C10R6	C10-6	C1032R6	C1032-6	
62	54	C10R7	C10-7	C1032R7	C1032-7	
63	55	C10R8	C10-8	C1032R8	C1032-8	
64	56	C10R10	C10-10	C1032R9	C1032-9	
65	57	C10R12	C10-12	C1032R10	C1032-10	
66	58	C10R14	C10-14	C1032R12	C1032-12	
67	59	C10R16	C10-16	C1032R14	C1032-14	
68	60	C10R18	C10-18	C1032R16	C1032-16	
69	61	C10R20	C10-20	C1032R18	C1032-18	
70	62	C10R22	C10-22	C1032R20	C1032-20	
71	63	C10R24	C10-24	C1032R22	C1032-22	
72	64	C10R26	C10-26	C1032R24	C1032-24	
73	65	C10R28	C10-28	C1032R26	C1032-26	
74		C10R30	C10-30	C1032R28	C1032-28	
75		C10R32	C10-32	C1032R30	C1032-30	
76	66	C10R36	C10-36	C1032R32	C1032-32	
77	67	C10R40	C10-40	C1032R36	C1032-36	
78	68	C10R44	C10-44	C1032R40	C1032-40	
79	69	C10R48	C10-48	C1032R44	C1032-44	
80	70	C416R6	C416-6	C428R6	C428-6	
81	71	C416R7	C416-7	C428R7	C428-7	
82	72	C416R8	C416-8	C428R8	C428-8	
83	73	C416R10	C416-10	C428R9	C428-9	
84	74	C416R12	C416-12	C428R10	C428-10	
85	75	C416R14	C416-14	C428R12	C428-12	
86	76	C416R16	C416-16	C428R14	C428-14	
87	77	C416R18	C416-18	C428R16	C428-16	
88	78	C416R20	C416-20	C428R18	C428-18	
89	79	C416R22	C416-22	C428R20	C428-20	
90		C416R24	C416-24	C428R22	C428-22	
91		C416R26	C416-26	C428R24	C428-24	
92	80	C416R28	C416-28	C428R26	C428-26	
93	81	C416R30	C416-30	C428R28	C428-28	
94	82	C416R32	C416-32	C428R30	C428-30	
95	83	C416R36	C416-36	C428R32	C428-32	
96	84	C416R40	C416-40	C428R36	C428-36	
97	85	C416R44	C416-44	C428R40	C428-40	
98	86	C416R48	C416-48	C428R44	C428-44	
99	87			C428R48	C428-48	
100	88					
101	89					
102	90					
103	91					
104	92					
105						
106	93					
107	94					
108	95					
109	96					
110	97					
111	98					
112	99					
113	100					
114	101					
115	102					
116	103					
117	104					
118	105					
119						

P. A. AR	INTERNATIONAL INTEREST	TITLE	MILITARY STANDARD
Other Cont AS 99		SCREW, MACHINE-PAN HEAD, CROSS RECESSED, CORROSION RESISTING STEEL, UNF-2A	MS 51958
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDED: MS35217, MS35234 AND IN PART: MS35357, MS35359 THRU MS35362, MS35362, MS35364 THRU MS35366, AMS20 AND AMS26		PAGE 4 OF 4

DD FORM 672-1 (COORDINATED)

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