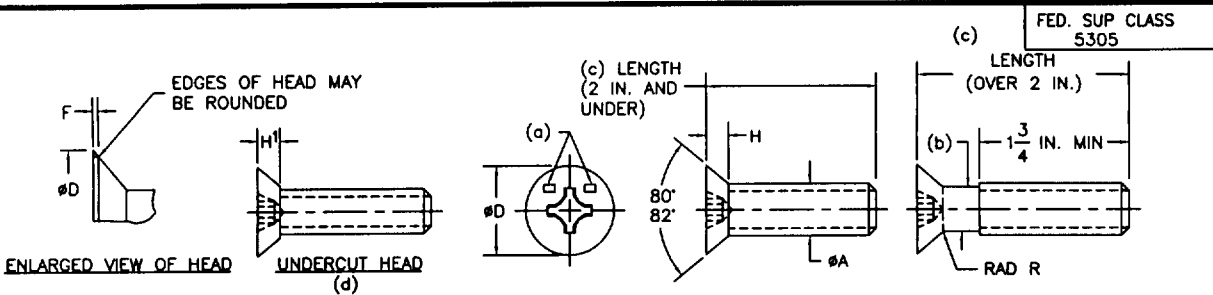


REVIEWER SYMBOLS:  
ARMY-MI  
AIR FORCE-82

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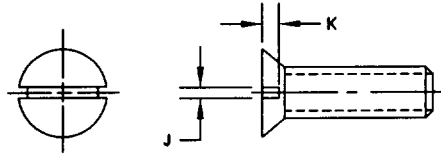
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AMSC N/A



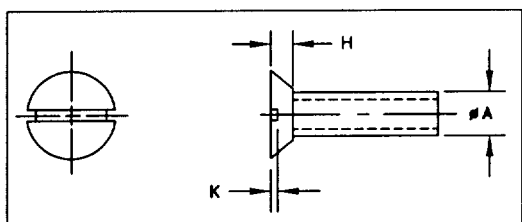
FED. SUP CLASS  
5305

CROSS-RECESSED HEAD SCREW (DESIGN I)  
(SEE NOTE 7)

THREAD SIZE	ØA MAX	ØD			F MAX	H REF		H <sup>1</sup>		J		K		R MAX
		MAX SHARP	MIN SHARP	ABSOLUTE MIN WITH MAX F		MAX	MIN	MAX	MIN	MAX	MIN	MAX	MIN	
NO. 2-56 UNC-2A	.086	.172	.156	.150	.014	.051	.040	.036	.028	.031	.023	.023	.015	.035
NO. 3-48 UNC-2A	.099	.199	.181	.175	.015	.059	.048	.041	.034	.035	.027	.027	.017	.040
NO. 4-40 UNC-2A	.112	.225	.207	.200	.016	.067	.055	.047	.039	.039	.031	.030	.020	.050
NO. 5-40 UNC-2A	.125	.252	.232	.225	.018	.075	.062	.053	.043	.043	.035	.034	.022	.050
NO. 6-32 UNC-2A	.138	.279	.257	.249	.019	.083	.069	.058	.048	.048	.039	.038	.024	.060
NO. 8-32 UNC-2A	.164	.332	.308	.300	.022	.100	.084	.070	.059	.054	.045	.045	.029	.060
NO. 10-24 UNC-2A	.190	.385	.359	.348	.025	.116	.098	.081	.069	.060	.050	.053	.034	.085
1/4-20 UNC-2A	.250	.507	.477	.462	.031	.153	.131	.107	.092	.075	.064	.070	.046	.100
5/16-18 UNC-2A	.313	.635	.600	.581	.037	.191	.165	.134	.116	.084	.072	.088	.058	.110
3/8-16 UNC-2A	.375	.762	.722	.700	.043	.230	.200	.161	.140	.094	.081	.106	.070	.125



SLOTTED HEAD SCREW  
(SEE NOTE 7)



UNDER CUT DIMENSIONS-SLOTTED HEAD SCREW(d)

SIZE	ØA		H		K	
	MAX	MIN	MAX	MIN	MAX	MIN
NO. 2-56UNC -2A	.086	.036	.028	.022	.015	
NO. 3-48UNC -2A	.099	.041	.034	.025	.017	
NO. 4-40UNC -2A	.112	.047	.039	.028	.020	
NO. 5-40UNC -2A	.125	.053	.043	.031	.022	
NO. 6-32UNC -2A	.138	.058	.048	.035	.024	
NO. 8-32UNC -2A	.164	.070	.059	.040	.029	
NO. 10-24UNC -2A	.190	.081	.069	.047	.034	
1/4 -20UNC -2A	.250	.107	.092	.061	.046	
5/16-18UNC -2A	.313	.134	.116	.076	.058	
3/8-16UNC -2A	.375	.161	.140	.091	.070	

- (a) SEE REQUIREMENT 10.
- (b) SEE REQUIREMENT 6.
- (c) SEE REQUIREMENT 5.
- (d) SEE REQUIREMENT 7.

THIS STANDARD IS CANCELED LARGELY IN PART - SEE SUPERSESSON TABLES

P.A. DLA-IS	ARMY - NAVY AERONAUTICAL STANDARD	AN505
Other Cust ARMY-AV NAVY-AS AIR FORCE-99	SCREW, MACHINE, FLAT HEAD, 82 DEGREE, COARSE THREAD	
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF AN505 AND USAF DRAWINGS 42B4937, 42B5702	SHEET 1 OF 7

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

PROJECT NO.: 5305-2169

APPROVED 15 MAY 43 REVISED 1 15 JUN 50 2 21 FEB 52 3 17 FEB 59 4 30 JUN 94 5 31 MAY 95 6 22 APR 96 7 11 SEP 97

DASH NUMBERS FOR CARBON STEEL SCREWS (e)

L LENGTH	NO. 2-56	NO. 3-48	NO. 4-40	NO. 5-40	NO. 6-32	NO. 8-32	NO. 10-24	1/4-20	5/16-16	3/8-16
3/16	2-3	3-3	4-3(d)	5-3(d)	6-3(d)					
1/4	2-4	3-4	4-4	5-4	6-4	8-4(d)				
5/16	2-5	3-5	4-5	5-5	6-5	8-5	10-5(d)	416-5(d)		
3/8	2-6	3-6	4-6	5-6	6-6	8-6	10-6	416-6(d)		
7/16	2-7	3-7	4-7	5-7	6-7	8-7	10-7	416-7(d)		
1/2	2-8	3-8	4-8	5-8	6-8	8-8	10-8	416-8(d)	516-8(d)	616-8(d)
9/16	2-9	3-9	4-9	5-9	6-9	8-9	10-9	416-9	516-9	616-9(d)
5/8	2-10	3-10	4-10	5-10	6-10	8-10	10-10	416-10	516-10	616-10
11/16	2-11	3-11	4-11	5-11	6-11	8-11	10-11	416-11	516-11	616-11
3/4	2-12	3-12	4-12	5-12	6-12	8-12	10-12	416-12	516-12	616-12
13/16		3-13	4-13	5-13	6-13	8-13	10-13	416-13	516-13	616-13
7/8		3-14	4-14	5-14	6-14	8-14	10-14	416-14	516-14	616-14
15/16		3-15	4-15	5-15	6-15	8-15	10-15	416-15	516-15	616-15
1		3-16	4-16	5-16	6-16	8-16	10-16	416-16	516-16	616-16
1-1/8			4-18	5-18	6-18	8-18	10-18	416-18	516-18	616-18
1-1/4			4-20	5-20	6-20	8-20	10-20	416-20	516-20	616-20
1-3/8			4-22	5-22	6-22	8-22	10-22	416-22	516-22	616-22
1-1/2			4-24	5-24	6-24	8-24	10-24	416-24	516-24	616-24
1-5/8					6-26	8-26	10-26	416-26	516-26	616-26
1-3/4					6-28	8-28	10-28	416-28	516-28	616-28
1-7/8					6-30	8-30	10-30	416-30	516-30	616-30
2					6-32	8-32	10-32	416-32	516-32	616-32
2-1/8					6-34	8-34	10-34	416-34	516-34	616-34
2-1/4					6-36	8-36	10-36	416-36	516-36	616-36
2-3/8					6-38	8-38	10-38	416-38	516-38	616-38
2-1/2					6-40	8-40	10-40	416-40	516-40	616-40
2-5/8					6-42	8-42	10-42	416-42	516-42	616-42
2-3/4					6-44	8-44	10-44	416-44	516-44	616-44
2-7/8					6-46	8-46	10-46	416-46	516-46	616-46
3					6-48	8-48	10-48	416-48	516-48	616-48

RATED STRENGTH IN POUNDS  
(FOR REFERENCE PURPOSES ONLY)

SIZE	MINIMUM ULTIMATE TENSILE BREAKING STRENGTH AT ROOT DIA	MINIMUM SINGLE SHEAR STRENGTH AT ROOT DIA
NO. 2-56	170	102
NO. 3-48	225	135
NO. 4-40	275	165
NO. 5-40	370	222
NO. 6-32	410	246
NO. 8-32	660	396
NO. 10-24	800	480
1/4-20	1480	890
5/16-18	2500	1500
3/8-16	3730	2240

ULTIMATE TENSILES BASED ON 55,000 PSI. SHEAR STRENGTHS 60% OF ULTIMATE TENSILES

(d) SEE REQUIREMENT 7.  
(e) SEE REQUIREMENT 11.

REQUIREMENTS:

- MATERIAL:**  
CARBON STEEL GRADE 1010 (UNS G10100) IN ACCORDANCE WITH ASTM A108, MINIMUM 55,000 UTS OR OTHER CARBON STEELS MEETING THE SAME PHYSICAL REQUIREMENTS.  
CORROSION RESISTANT STEEL IN ACCORDANCE WITH QQ-S-763, CLASS 430 (UNS S43000) OR UNS S30430 (CLASS XM-7), ASTM A582, TYPE 303 (UNS S30300) OR TYPE 303S<sub>15</sub> (UNS S30323) OR MIL-S-7720, COMPOSITION 302 (UNS S30200) FOR COLD UPSETTING PROCESS.  
BRASS IN ACCORDANCE WITH ASTM B16, ASTM B36, ASTM B121, ASTM B134, ASTM B159 OR ASTM B206 WITH A MINIMUM ULTIMATE TENSILE STRENGTH OF 55,000 PSI. ALUMINUM ALLOY 2024 (UNS A92024), IN ACCORDANCE WITH QQ-A-225/3 OR QQ-A-225/6.
- FINISH:**  
CARBON STEEL: CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 3.  
BRASS: BLACK CHEMICAL FINISH IN ACCORDANCE WITH MIL-F-495 OR CADMIUM PLATE IN ACCORDANCE WITH QQ-P-416, TYPE II, CLASS 3, DEPENDING ON PART NUMBER CODING (SEE REQUIREMENT 11).  
CORROSION RESISTANT STEEL: PASSIVATE IN ACCORDANCE WITH QQ-P-35.  
ALUMINUM ALLOY: ANODIZE IN ACCORDANCE WITH MIL-A-8625, TYPE I OR II, CLASS 1.
- HEAT TREATMENT:**  
ALUMINUM ALLOY: 62,000 PSI MINIMUM ULTIMATE TENSILE STRENGTH, IN ACCORDANCE WITH MIL-H-6088.
- THREADS:**  
THREADS SHALL BE CLASS 2A IN ACCORDANCE WITH FED-STD-H28/2. ACCEPTABILITY OF SCREW THREADS SHALL BE IN ACCORDANCE WITH FED-STD-H28/20, SYSTEM 21.
- THREAD LENGTH:**  
FOR SCREWS UP TO AND INCLUDING 2 INCHES IN LENGTH, THE COMPLETE THREADS SHALL EXTEND TO WITHIN TWO (2) THREADS OF THE BEARING SURFACE OF THE HEAD, OR CLOSER IF PRACTICABLE. SCREWS OF LONGER LENGTH SHALL HAVE A MINIMUM COMPLETE THREAD OF 1-3/4 INCHES.
- UNTHREADED PORTION:**  
THE DIAMETER OF THE UNTHREADED PORTION OF THE SCREW SHALL NOT BE LESS THAN THE MINIMUM PITCH DIAMETER NOR MORE THAN THE MAXIMUM MAJOR DIAMETER OF THE THREAD.
- UNDERCUT HEADS:**  
DASH NUMBERS DESIGNATED BY (d) SHALL HAVE UNDERCUT HEADS.
- HEAD DRIVE STYLE:**  
CROSS-RECESS: RECESS IN ACCORDANCE WITH MS9006.  
SLOTTED HEAD: REFER TO TABLE FOR DIMENSIONS (SEE NOTE 7).

P.A. DLA-IS	AIR FORCE - NAVY AERONAUTICAL STANDARD
Other Cust ARMY-AV NAVY-AS AIR FORCE-99	SCREW, MACHINE, FLAT HEAD, 82 DEGREE, COARSE THREAD
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF AN505 AND USAF DRAWINGS 42B4937, 42B5702

AN505

SHEET 2 OF 7

REVERER SYMBOLS:  
 ARMY-MI  
 AIR FORCE-82  
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APPROVED 15 MAY 43 REVISED 4 30 JUN 94 5 31 MAY 95 6 22 APR 96

REVIEWER SYMBOLS:  
ARMY-MI  
AIR FORCE-82

9. MANUFACTURER IDENTIFICATION:

SCREWS WITH NOMINAL SIZES #10 (.1900) AND LARGER SHALL BE PERMANENTLY MARKED WITH A SYMBOL IDENTIFYING IT'S MANUFACTURER. MARKINGS SHALL BE PLACED ON THE TOP OF HEAD AND INDENTED. METHOD AND SIZE OF MARKINGS SHALL CONFORM TO THE REQUIREMENTS FOR PERMANENT MARKINGS SPECIFIED IN SAE AS478.

10. MATERIAL IDENTIFICATION:

CORROSION RESISTANT STEEL SCREWS WITH NOMINAL SIZES #5 (.1250) AND LARGER SHALL BE PERMANENTLY MARKED WITH ONE DASH ("-"). MARKINGS SHALL BE PLACED ON THE TOP OF HEAD AND INDENTED. METHOD AND SIZE OF MARKINGS SHALL CONFORM TO THE REQUIREMENTS FOR PERMANENT MARKINGS SPECIFIED IN SAE AS478.

11. CODE:

- NO CODE BETWEEN FIRST AND SECOND DASH NUMBER = SLOTTED HEAD SCREW (SEE NOTE 7).
- "R" BETWEEN FIRST AND SECOND DASH NUMBER = CROSS-RECESSED HEAD SCREW.
- NO CODE BEFORE FIRST DASH NUMBER = CARBON STEEL SCREW WITH CADMIUM PLATING.
- "B" BEFORE FIRST DASH NUMBER = BRASS SCREW WITH BLACK CHEMICAL FINISH.
- "PB" BEFORE FIRST DASH NUMBER = BRASS SCREW WITH CADMIUM PLATING.
- "UB" BEFORE FIRST DASH NUMBER = BRASS SCREW WITH NO PLATING OR FINISH.
- "C" BEFORE FIRST DASH NUMBER = CORROSION RESISTANT STEEL SCREW, PASSIVATED.
- "DD" BEFORE FIRST DASH NUMBER = ALUMINUM ALLOY SCREW, ANODIZED.

EXAMPLES:

- AN505-4-8 = SLOTTED HEAD SCREW, CARBON STEEL, CADMIUM PLATED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505-4R8 = CROSS-RECESSED HEAD SCREW, CARBON STEEL, CADMIUM PLATED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505B4-8 = SLOTTED HEAD SCREW, BRASS, BLACK CHEMICAL FINISH, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505B4R8 = CROSS RECESSED HEAD SCREW, BRASS, BLACK CHEMICAL FINISH, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505PB4-8 = SLOTTED HEAD SCREW, BRASS, CADMIUM PLATED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505PB4R8 = CROSS-RECESSED HEAD SCREW, BRASS, CADMIUM PLATED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505UB4-8 = SLOTTED HEAD SCREW, BRASS, UNFINISHED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505UB4R8 = CROSS-RECESSED HEAD SCREW, BRASS, UNFINISHED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505C4-8 = SLOTTED HEAD SCREW, CORROSION RESISTANT STEEL, PASSIVATED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505C4R8 = CROSS RECESSED HEAD SCREW, CORROSION RESISTANT STEEL, PASSIVATED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505DD4-8 = SLOTTED HEAD SCREW, ALUMINUM ALLOY, ANODIZED, 4-40 UNC-2A THREAD, 1/2 INCH LONG.
- AN505DD6R8 = CROSS-RECESSED SCREW, ALUMINUM ALLOY, ANODIZED, 6-32 UNC-2A THREAD, 1/2 INCH LONG.

NOTES:

1. ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE SPECIFIED.
- ⑦ 2. INTERPRET DIMENSIONS AND TOLERANCES IN ACCORDANCE WITH ASME Y14.5M.
3. SCREWS SHALL BE FREE OF ALL LOOSE HANGING BURRS OR SLIVERS WHICH MAY BECOME DISLODGED DURING USAGE.
4. DO NOT USE UNASSIGNED DASH NUMBERS OR CODES.
5. IN CASE OF CONFLICT, THE REQUIREMENTS SPECIFIED HEREIN SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SPECIFIED IN SPECIFICATION FF-S-92. FOR DIMENSIONS AND TOLERANCES NOT SPECIFIED HEREIN OR FF-S-92, REFER TO ANSI B18.6.3.
6. THESE SCREWS ARE NOT TO BE USED IN THE CONSTRUCTION OF AIRFRAMES OR TO ATTACH EQUIPMENT TO THE AIRFRAME.
- ⑦ 7. CROSS RECESS AND SLOTTED HEAD SCREWS ARE CANCELED. SEE SUPERSESSION TABLE FOR CANCELLED AN505 PART NUMBERS.  
USE MS35190 - FOR CARBON STEEL, CADMIUM PLATE, CROSS RECESS AND SLOTTED HEAD SCREWS.  
USE MS35198 - FOR BRASS, BLACK OXIDE, CROSS RECESS AND SLOTTED HEAD SCREWS.  
USE MS35202 - FOR ALUMINUM ALLOY, CROSS RECESS AND SLOTTED HEAD SCREWS.  
USE MS51959 - FOR CORROSION RESISTANT STEEL, CROSS RECESS AND SLOTTED HEAD SCREWS.
- ⑦ 8. NOT ALL LENGTHS ARE COVERED BY THE MS DOCUMENTS ON THE SUPERSESSION TABLES. THE UNREPRESENTED LENGTHS ARE INACTIVE FOR NEW DESIGN. THREAD SIZES NO. 3-48 AND NO. 5-40 ARE INACTIVE FOR NEW DESIGN.

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AMSC N/A

APPROVED 15 MAY 43 REVISED 4 30 JUN 94 ⑤ 31 MAY 95 ⑥ 22 APR 96 ⑦

P.A. DLA-IS	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN505
Other Cust ARMY-AV NAVY-AS AIR FORCE-99	SCREW, MACHINE, FLAT HEAD, 82 DEGREE, COARSE THREAD	
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF AN505 AND USAF DRAWINGS 42B4937, 42B5702	SHEET 3 OF 7

INTERCHANGEABILITY TABLE FOR MS35190

SCREWS COVERED BY THE FOLLOWING DASH NUMBERS IN AN505 ARE CANCELED AND SUPERSEDED BY THE MS35190 DASH NUMBERS. USE THE SUPERSEDING DASH NUMBERS AS GIVEN. LENGTHS THAT ARE NOT COVERED BY MS35190 ARE INACTIVE FOR NEW DESIGN AFTER 24 FEB 65.

CANCELED AN505		MS35190 DASH NO.	CANCELED AN505		MS35190 DASH NO.	CANCELED AN505		MS35190 DASH NO.	CANCELED AN505		MS35190 DASH NO.
CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED	
2R3	2-3	210	5R16	5-16	NR	10R5	10-5	268	416R44	416-44	298
2R4	2-4	211	5R18	5-18	NR	10R6	10-6	269	416R46	416-46	NR
2R5	2-5	212	5R20	5-20	NR	10R7	10-7	270	416R48	416-48	299
2R6	2-6	213	5R22	5-22	NR	10R8	10-8	271	516R8	516-8	302
2R7	2-7	214	5R24	5-24	NR	10R9	10-9	NR	516R9	516-9	NR
2R8	2-8	215	6R3	6-3	233	10R10	10-10	272	516R10	516-10	303
2R9	2-9	NR	6R4	6-4	234	10R11	10-11	NR	516R11	516-11	NR
2R10	2-10	216	6R5	6-5	235	10R12	10-12	273	516R12	516-12	304
2R11	2-11	NR	6R6	6-6	236	10R13	10-13	NR	516R13	516-13	NR
2R12	2-12	217	6R7	6-7	237	10R14	10-14	274	516R14	516-14	305
3R3	3-3	NR	6R8	6-8	238	10R15	10-15	NR	516R15	516-15	NR
3R4	3-4	NR	6R9	6-9	NR	10R16	10-16	275	516R16	516-16	306
3R5	3-5	NR	6R10	6-10	239	10R18	10-18	NR	516R18	516-18	NR
3R6	3-6	NR	6R11	6-11	NR	10R20	10-20	276	516R20	516-20	307
3R7	3-7	NR	6R12	6-12	240	10R22	10-22	NR	516R22	516-22	NR
3R8	3-8	NR	6R13	6-13	NR	10R24	10-24	277	516R24	516-24	308
3R9	3-9	NR	6R14	6-14	241	10R26	10-26	NR	516R26	516-26	NR
3R10	3-10	NR	6R15	6-15	NR	10R28	10-28	278	516R28	516-28	309
3R11	3-11	NR	6R16	6-16	242	10R30	10-30	NR	516R30	516-30	NR
3R12	3-12	NR	6R18	6-18	NR	10R32	10-32	279	516R32	516-32	310
3R13	3-13	NR	6R20	6-20	243	10R34	10-34	NR	516R34	516-34	NR
3R14	3-14	NR	6R22	6-22	NR	10R36	10-36	280	516R36	516-36	311
3R15	3-15	NR	6R24	6-24	244	10R38	10-38	NR	516R38	516-38	NR
3R16	3-16	NR	6R26	6-26	NR	10R40	10-40	281	516R40	516-40	312
4R3	4-3	220	6R28	6-28	245	10R42	10-42	NR	516R42	516-42	NR
4R4	4-4	221	6R30	6-30	NR	10R44	10-44	282	516R44	516-44	313
4R5	4-5	222	6R32	6-32	246	10R46	10-46	NR	516R46	516-46	NR
4R6	4-6	223	6R34	6-34	NR	10R48	10-48	283	516R48	516-48	314
4R7	4-7	224	6R36	6-36	NR	416R5	416-5	284	616R8	616-8	315
4R8	4-8	225	6R38	6-38	NR	416R6	416-6	285	616R9	616-9	NR
4R9	4-9	NR	6R40	6-40	NR	416R7	416-7	286	616R10	616-10	316
4R10	4-10	226	6R42	6-42	NR	416R8	416-8	287	616R11	616-11	NR
4R11	4-11	NR	6R44	6-44	NR	416R9	416-9	NR	616R12	616-12	317
4R12	4-12	227	6R46	6-46	NR	416R10	416-10	288	616R13	616-13	NR
4R13	4-13	NR	6R48	6-48	NR	416R11	416-11	NR	616R14	616-14	318
4R14	4-14	228	8R14	8-14	256	416R12	416-12	289	616R15	616-15	NR
4R15	4-15	NR	8R15	8-15	NR	416R13	416-13	NR	616R16	616-16	319
4R16	4-16	229	8R16	8-16	257	416R14	416-14	290	616R18	616-18	NR
4R18	4-18	NR	8R18	8-18	NR	416R15	416-15	NR	616R20	616-20	320
4R20	4-20	230	8R20	8-20	258	416R16	416-16	291	616R22	616-22	NR
4R22	4-22	NR	8R22	8-22	NR	416R18	416-18	NR	616R24	616-24	321
4R24	4-24	231	8R24	8-24	259	416R20	416-20	292	616R26	616-26	NR
5R3	5-3	NR	8R26	8-26	NR	416R22	416-22	NR	616R28	616-28	322
5R4	5-4	NR	8R28	8-28	260	416R24	416-24	293	616R30	616-30	NR
5R5	5-5	NR	8R30	8-30	NR	416R26	416-26	NR	616R32	616-32	323
5R6	5-6	NR	8R32	8-32	261	416R28	416-28	294	616R34	616-34	NR
5R7	5-7	NR	8R34	8-34	NR	416R30	416-30	NR	616R36	616-36	324
5R8	5-8	NR	8R36	8-36	262	416R32	416-32	295	616R38	616-38	NR
5R9	5-9	NR	8R38	8-38	NR	416R34	416-34	NR	616R40	616-40	325
5R10	5-10	NR	8R40	8-40	263	416R36	416-36	296	616R42	616-42	NR
5R11	5-11	NR	8R42	8-42	NR	416R38	416-38	NR	616R44	616-44	326
5R12	5-12	NR	8R44	8-44	264	416R40	416-40	297	616R46	616-46	NR
5R13	5-13	NR	8R46	8-46	NR	416R42	416-42	NR	616R48	616-48	327
5R14	5-14	NR									
5R15	5-15	NR									

NR = NO REPLACEMENT

P.A. DLA-IS

Other Cust  
ARMY-AV  
NAVY-AS  
AIR FORCE-99

AIR FORCE - NAVY AERONAUTICAL STANDARD

SCREW, MACHINE, FLAT HEAD, 82 DEGREE,  
COARSE THREAD

AN505

PROCUREMENT SPECIFICATION  
FF-S-92

SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF  
AN505 AND USAF DRAWINGS 42B4937, 42B5702

SHEET 4 OF 7

REVIEWER SYMBOLS:  
ARMY-M  
AIR FORCE-82

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NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing shall supersede all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies, or for use in new design not later than 6 months after the latest date of approval shown.  
AMSC N/A

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REVISED  
APPROVED 15 MAY 43

INTERCHANGEABILITY TABLE FOR MS35198

FED. SUP CLASS  
5305

SCREWS COVERED BY THE FOLLOWING DASH NUMBERS IN AN505 ARE CANCELED AND SUPERSEDED BY THE MS35198 DASH NUMBERS. USE THE SUPERSEDING DASH NUMBERS AS GIVEN. LENGTHS THAT ARE NOT COVERED BY MS35198 ARE INACTIVE FOR NEW DESIGN AFTER 04 MAY 65.

CANCELED AN505				MS35198 DASH NO.	CANCELED AN505				MS35198 DASH NO.	CANCELED AN505				MS35198 DASH NO.	
CROSS-RECESS		SLOTTED			CROSS-RECESS		SLOTTED			CROSS-RECESS		SLOTTED			
B2R3	UB2R3	B2-3	UB2-3	2	B8R7	UB8R7	B8-7	UB8-7	41	B416R18	UB416R18	B416-18	UB416-18	NR	
B2R4	UB2R4	B2-4	UB2-4	3	B8R8	UB8R8	B8-8	UB8-8	42	B416R20	UB416R20	B416-20	UB416-20	74	
B2R5	UB2R5	B2-5	UB2-5	4	B8R9	UB8R9	B8-9	UB8-9	NR	B416R22	UB416R22	B416-22	UB416-22	NR	
B2R6	UB2R6	B2-6	UB2-6	5	B8R10	UB8R10	B8-10	UB8-10	43	B416R24	UB416R24	B416-24	UB416-24	75	
B2R7	UB2R7	B2-7	UB2-7	6	B8R11	UB8R11	B8-11	UB8-11	NR	B416R26	UB416R26	B416-26	UB416-26	NR	
B2R8	UB2R8	B2-8	UB2-8	7	B8R12	UB8R12	B8-12	UB8-12	44	B416R28	UB416R28	B416-28	UB416-28	76	
B2R9	UB2R9	B2-9	UB2-9	NR	B8R13	UB8R13	B8-13	UB8-13	NR	B416R30	UB416R30	B416-30	UB416-30	NR	
B2R10	UB2R10	B2-10	UB2-10	8	B8R14	UB8R14	B8-14	UB8-14	45	B416R32	UB416R32	B416-32	UB416-32	77	
B2R11	UB2R11	B2-11	UB2-11	NR	B8R15	UB8R15	B8-15	UB8-15	NR	B416R34	UB416R34	B416-34	UB416-34	NR	
B2R12	UB2R12	B2-12	UB2-12	9	B8R16	UB8R16	B8-16	UB8-16	46	B416R36	UB416R36	B416-36	UB416-36	78	
B3R3	UB3R3	B3-3	UB3-3	NR	B8R18	UB8R18	B8-18	UB8-18	NR	B416R38	UB416R38	B416-38	UB416-38	NR	
THRU	THRU	THRU	THRU	NR	B8R20	UB8R20	B8-20	UB8-20	47	B416R40	UB416R40	B416-40	UB416-40	79	
B3R16	UB4R16	B3-16	UB3-16	NR	B8R22	UB8R22	B8-22	UB8-22	NR	B416R42	UB416R42	B416-42	UB416-42	NR	
B4R3	UB4R3	B4-3	UB4-3	11	B8R24	UB8R24	B8-24	UB8-24	48	B416R44	UB416R44	B416-44	UB416-44	NR	
B4R4	UB4R4	B4-4	UB4-4	12	B8R26	UB8R26	B8-26	UB8-26	NR	B416R46	UB416R46	B416-46	UB416-46	NR	
B4R5	UB4R5	B4-5	UB4-5	13	B8R28	UB8R28	B8-28	UB8-28	49	B416R48	UB416R48	B416-48	UB416-48	NR	
B4R6	UB4R6	B4-6	UB4-6	14	B8R30	UB8R30	B8-30	UB8-30	NR	B516R8	UB516R8	B516-8	UB516-8	82	
B4R7	UB4R7	B4-7	UB4-7	15	B8R32	UB8R32	B8-32	UB8-32	50	B516R9	UB516R9	B516-9	UB516-9	NR	
B4R8	UB4R8	B4-8	UB4-8	16	B8R34	UB8R34	B8-34	UB8-34	NR	B516R10	UB516R10	B516-10	UB516-10	83	
B4R9	UB4R9	B4-9	UB4-9	NR	B8R36	UB8R36	B8-36	UB8-36	NR	B516R11	UB516R11	B516-11	UB516-11	NR	
B4R10	UB4R10	B4-10	UB4-10	17	B8R38	UB8R38	B8-38	UB8-38	NR	B516R12	UB516R12	B516-12	UB516-12	84	
B4R11	UB4R11	B4-11	UB4-11	NR	B8R40	UB8R40	B8-40	UB8-40	NR	B516R13	UB516R13	B516-13	UB516-13	NR	
B4R12	UB4R12	B4-12	UB4-12	18	B8R42	UB8R42	B8-42	UB8-42	NR	B516R14	UB516R14	B516-14	UB516-14	85	
B4R13	UB4R13	B4-13	UB4-13	NR	B8R44	UB8R44	B8-44	UB8-44	NR	B516R15	UB516R15	B516-15	UB516-15	NR	
B4R14	UB4R14	B4-14	UB4-14	19	B8R46	UB8R46	B8-46	UB8-46	NR	B516R16	UB516R16	B516-16	UB516-16	86	
B4R15	UB4R15	B4-15	UB4-15	NR	B8R48	UB8R48	B8-48	UB8-48	NR	B516R18	UB516R18	B516-18	UB516-18	NR	
B4R16	UB4R16	B4-16	UB4-16	20	B10R5	UB10R5	B10-5	UB10-5	52	B516R20	UB516R20	B516-20	UB516-20	87	
B4R18	UB4R18	B4-18	UB4-18	NR	B10R6	UB10R6	B10-6	UB10-6	53	B516R22	UB516R22	B516-22	UB516-22	NR	
B4R20	UB4R20	B4-20	UB4-20	NR	B10R7	UB10R7	B10-7	UB10-7	54	B516R24	UB516R24	B516-24	UB516-24	88	
B4R22	UB4R22	B4-22	UB4-22	NR	B10R8	UB10R8	B10-8	UB10-8	55	B516R26	UB516R26	B516-26	UB516-26	NR	
B4R24	UB4R24	B4-24	UB4-24	NR	B10R9	UB10R9	B10-9	UB10-9	NR	B516R28	UB516R28	B516-28	UB516-28	89	
B5R3	UB5R3	B5-3	UB5-3	NR	B10R10	UB10R10	B10-10	UB10-10	56	B516R30	UB516R30	B516-30	UB516-30	NR	
THRU	THRU	THRU	THRU	NR	B10R11	UB10R11	B10-11	UB10-11	NR	B516R32	UB516R32	B516-32	UB516-32	90	
B5R24	UB5R24	B5-24	UB5-24	NR	B10R12	UB10R12	B10-12	UB10-12	57	B516R34	UB516R34	B516-34	UB516-34	NR	
B6R3	UB6R3	B6-3	UB6-3	22	B10R13	UB10R13	B10-13	UB10-13	NR	B516R36	UB516R36	B516-36	UB516-36	91	
B6R4	UB6R4	B6-4	UB6-4	23	B10R14	UB10R14	B10-14	UB10-14	58	B516R38	UB516R38	B516-38	UB516-38	NR	
B6R5	UB6R5	B6-5	UB6-5	24	B10R15	UB10R15	B10-15	UB10-15	NR	B516R40	UB516R40	B516-40	UB516-40	92	
B6R6	UB6R6	B6-6	UB6-6	25	B10R16	UB10R16	B10-16	UB10-16	59	B516R42	UB516R42	B516-42	UB516-42	NR	
B6R7	UB6R7	B6-7	UB6-7	26	B10R18	UB10R18	B10-18	UB10-18	NR	B516R44	UB516R44	B516-44	UB516-44	NR	
B6R8	UB6R8	B6-8	UB6-8	27	B10R20	UB10R20	B10-20	UB10-20	60	B516R46	UB516R46	B516-46	UB516-46	NR	
B6R9	UB6R9	B6-9	UB6-9	NR	B10R22	UB10R22	B10-22	UB10-22	NR	B516R48	UB516R48	B516-48	UB516-48	NR	
B6R10	UB6R10	B6-10	UB6-10	28	B10R24	UB10R24	B10-24	UB10-24	61	B616R8	UB616R8	B616-8	UB616-8	93	
B6R11	UB6R11	B6-11	UB6-11	NR	B10R26	UB10R26	B10-26	UB10-26	NR	B616R9	UB616R9	B616-9	UB616-9	NR	
B6R12	UB6R12	B6-12	UB6-12	29	B10R28	UB10R28	B10-28	UB10-28	62	B616R10	UB616R10	B616-10	UB616-10	94	
B6R13	UB6R13	B6-13	UB6-13	NR	B10R30	UB10R30	B10-30	UB10-30	NR	B616R11	UB616R11	B616-11	UB616-11	NR	
B6R14	UB6R14	B6-14	UB6-14	30	B10R32	UB10R32	B10-32	UB10-32	63	B616R12	UB616R12	B616-12	UB616-12	95	
B6R15	UB6R15	B6-15	UB6-15	NR	B10R34	UB10R34	B10-34	UB10-34	NR	B616R13	UB616R13	B616-13	UB616-13	NR	
B6R16	UB6R16	B6-16	UB6-16	31	B10R36	UB10R36	B10-36	UB10-36	64	B616R14	UB616R14	B616-14	UB616-14	96	
B6R18	UB6R18	B6-18	UB6-18	NR	B10R38	UB10R38	B10-38	UB10-38	NR	B616R15	UB616R15	B616-15	UB616-15	NR	
B6R20	UB6R20	B6-20	UB6-20	32	B10R40	UB10R40	B10-40	UB10-40	65	B616R16	UB616R16	B616-16	UB616-16	97	
B6R22	UB6R22	B6-22	UB6-22	NR	B10R42	UB10R42	B10-42	UB10-42	NR	B616R18	UB616R18	B616-18	UB616-18	NR	
B6R24	UB6R24	B6-24	UB6-24	33	B10R44	UB10R44	B10-44	UB10-44	NR	B616R20	UB616R20	B616-20	UB616-20	98	
B6R26	UB6R26	B6-26	UB6-26	NR	B10R46	UB10R46	B10-46	UB10-46	NR	B616R22	UB616R22	B616-22	UB616-22	NR	
B6R28	UB6R28	B6-28	UB6-28	34	B10R48	UB10R48	B10-48	UB10-48	NR	B616R24	UB616R24	B616-24	UB616-24	99	
B6R30	UB6R30	B6-30	UB6-30	NR	B416R5	UB416R5	B416-5	UB416-5	66	B616R26	UB616R26	B616-26	UB616-26	NR	
B6R32	UB6R32	B6-32	UB6-32	35	B416R6	UB416R6	B416-6	UB416-6	67	B616R28	UB616R28	B616-28	UB616-28	100	
B6R34	UB6R34	B6-34	UB6-34	NR	B416R7	UB416R7	B416-7	UB416-7	68	B616R30	UB616R30	B616-30	UB616-30	NR	
B6R36	UB6R36	B6-36	UB6-36	NR	B416R8	UB416R8	B416-8	UB416-8	69	B616R32	UB616R32	B616-32	UB616-32	101	
B6R38	UB6R38	B6-38	UB6-38	NR	B416R9	UB416R9	B416-9	UB416-9	NR	B616R34	UB616R34	B616-34	UB616-34	NR	
B6R40	UB6R40	B6-40	UB6-40	NR	B416R10	UB416R10	B416-10	UB416-10	70	B616R36	UB616R36	B616-36	UB616-36	102	
B6R42	UB6R42	B6-42	UB6-42	NR	B416R11	UB416R11	B416-11	UB416-11	NR	B616R38	UB616R38	B616-38	UB616-38	NR	
B6R44	UB6R44	B6-44	UB6-44	NR	B416R12	UB416R12	B416-12	UB416-12	71	B616R40	UB616R40	B616-40	UB616-40	103	
B6R46	UB6R46	B6-46	UB6-46	NR	B416R13	UB416R13	B416-13	UB416-13	NR	B616R42	UB616R42	B616-42	UB616-42	NR	
B6R48	UB6R48	B6-48	UB6-48	NR	B416R14	UB416R14	B416-14	UB416-14	72	B616R44	UB616R44	B616-44	UB616-44	104	
B6R4	UB6R4	B6-4	UB6-4	38	B416R15	UB416R15	B416-15	UB416-15	NR	B616R46	UB616R46	B616-46	UB616-46	NR	
B8R5	UB8R5	B8-5	UB8-5	39	B416R16	UB416R16	B416-16	UB416-16	73	B616R48	UB616R48	B616-48	UB616-48	105	
B8R6	UB8R6	B8-6	UB8-6	40											

NR = NO REPLACEMENT

P.A. DLA-IS	AIR FORCE - NAVY AERONAUTICAL STANDARD	AN505
Other Cust ARMY-AV NAVY-AS AIR FORCE-99	SCREW, MACHINE, FLAT HEAD, 82 DEGREE, COARSE THREAD	
PROCUREMENT SPECIFICATION FF-S-92	SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF AN505 AND USAF DRAWINGS 42B4937, 42B5702	SHEET 5 OF 7

REMEMBER SYMBOLS:  
 ARMY-MI  
 AIR FORCE-92

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 NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for the product. This drawing supersedes all antecedent standard drawings for the same product and shall remain in effect until it is replaced by a new drawing or until it is cancelled. It shall be used for new designs after the latest date of approval shown.

REVISION 7

APPROVED 15 MAY 43

INTERCHANGEABILITY TABLE FOR MS35202

SCREWS COVERED BY THE FOLLOWING DASH NUMBERS IN AN505 ARE CANCELED AND SUPERSEDED BY THE MS35202 DASH NUMBERS. USE THE SUPERSEDING DASH NUMBERS AS GIVEN. LENGTHS THAT ARE NOT COVERED BY MS35202 ARE INACTIVE FOR NEW DESIGN AFTER 4 MAY 65.

CANCELED AN505		MS35202 DASH NO.	CANCELED AN505		MS35202 DASH NO.	CANCELED AN505		MS35202 DASH NO.
CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED	
DD2R3	DD2-3	2	DD8R7	DD8-7	41	DD416R18	DD416-18	NR
DD2R4	DD2-4	3	DD8R8	DD8-8	42	DD416R20	DD416-20	74
DD2R5	DD2-5	4	DD8R9	DD8-9	NR	DD416R22	DD416-22	NR
DD2R6	DD2-6	5	DD8R10	DD8-10	43	DD416R24	DD416-24	75
DD2R7	DD2-7	6	DD8R11	DD8-11	NR	DD416R26	DD416-26	NR
DD2R8	DD2-8	7	DD8R12	DD8-12	44	DD416R28	DD416-28	76
DD2R9	DD2-9	NR	DD8R13	DD8-13	NR	DD416R30	DD416-30	NR
DD2R10	DD2-10	8	DD8R14	DD8-14	45	DD416R32	DD416-32	77
DD2R11	DD2-11	NR	DD8R15	DD8-15	NR	DD416R34	DD416-34	NR
DD2R12	DD2-12	9	DD8R16	DD8-16	46	DD416R36	DD416-36	78
DD3R3	DD3-3	NR	DD8R18	DD8-18	NR	DD416R38	DD416-38	NR
THRU	THRU		DD8R20	DD8-20	47	DD416R40	DD416-40	79
DD3R16	DD3-16		DD8R22	DD8-22	NR	DD416R42	DD416-42	NR
DD4R3	DD4-3		11	DD8R24	DD8-24	48	DD416R44	DD416-44
DD4R4	DD4-4	12	DD8R26	DD8-26	NR	DD416R46	DD416-46	NR
DD4R5	DD4-5	13	DD8R28	DD8-28	49	DD416R48	DD416-48	NR
DD4R6	DD4-6	14	DD8R30	DD8-30	NR	DD516R8	DD516-8	82
DD4R7	DD4-7	15	DD8R32	DD8-32	50	DD516R9	DD516-9	NR
DD4R8	DD4-8	16	DD8R34	DD8-34	NR	DD516R10	DD516-10	83
DD4R9	DD4-9	NR	DD8R36	DD8-36	NR	DD516R11	DD516-11	NR
DD4R10	DD4-10	17	DD8R38	DD8-38	NR	DD516R12	DD516-12	84
DD4R11	DD4-11	NR	DD8R40	DD8-40	NR	DD516R13	DD516-13	NR
DD4R12	DD4-12	18	DD8R42	DD8-42	NR	DD516R14	DD516-14	85
DD4R13	DD4-13	NR	DD8R44	DD8-44	NR	DD516R15	DD516-15	NR
DD4R14	DD4-14	19	DD8R46	DD8-46	NR	DD516R16	DD516-16	86
DD4R15	DD4-15	NR	DD8R48	DD8-48	NR	DD516R18	DD516-18	NR
DD4R16	DD4-16	20	DD10R5	DD10-5	52	DD516R20	DD516-20	87
DD4R18	DD4-18	NR	DD10R6	DD10-6	53	DD516R22	DD516-22	NR
DD4R20	DD4-20	NR	DD10R7	DD10-7	54	DD516R24	DD516-24	88
DD4R22	DD4-22	NR	DD10R8	DD10-8	55	DD516R26	DD516-26	NR
DD4R24	DD4-24	NR	DD10R9	DD10-9	NR	DD516R28	DD516-28	89
DD5R3	DD5-3		DD10R10	DD10-10	56	DD516R30	DD516-30	NR
THRU	THRU	NR	DD10R11	DD10-11	NR	DD516R32	DD516-32	90
DD5R24	DD5-24	22	DD10R12	DD10-12	57	DD516R34	DD516-34	NR
DD6R3	DD6-3		DD10R13	DD10-13	NR	DD516R36	DD516-36	91
DD6R4	DD6-4	23	DD10R14	DD10-14	58	DD516R38	DD516-38	NR
DD6R5	DD6-5	24	DD10R15	DD10-15	NR	DD516R40	DD516-40	92
DD6R6	DD6-6	25	DD10R16	DD10-16	59	DD516R42	DD516-42	NR
DD6R7	DD6-7	26	DD10R18	DD10-18	NR	DD516R44	DD516-44	NR
DD6R8	DD6-8	27	DD10R20	DD10-20	60	DD516R46	DD516-46	NR
DD6R9	DD6-9	NR	DD10R22	DD10-22	NR	DD516R48	DD516-48	NR
DD6R10	DD6-10	28	DD10R24	DD10-24	61	DD616R8	DD616-8	93
DD6R11	DD6-11	NR	DD10R26	DD10-26	NR	DD616R9	DD616-9	NR
DD6R12	DD6-12	29	DD10R28	DD10-28	62	DD616R10	DD616-10	94
DD6R13	DD6-13	NR	DD10R30	DD10-30	NR	DD616R11	DD616-11	NR
DD6R14	DD6-14	30	DD10R32	DD10-32	63	DD616R12	DD616-12	95
DD6R15	DD6-15	NR	DD10R34	DD10-34	NR	DD616R13	DD616-13	NR
DD6R16	DD6-16	31	DD10R36	DD10-36	64	DD616R14	DD616-14	96
DD6R18	DD6-18	NR	DD10R38	DD10-38	NR	DD616R15	DD616-15	NR
DD6R20	DD6-20	32	DD10R40	DD10-40	65	DD616R16	DD616-16	97
DD6R22	DD6-22	NR	DD10R42	DD10-42	NR	DD616R18	DD616-18	NR
DD6R24	DD6-24	33	DD10R44	DD10-44	NR	DD616R20	DD616-20	98
DD6R26	DD6-26	NR	DD10R46	DD10-46	NR	DD616R22	DD616-22	NR
DD6R28	DD6-28	34	DD10R48	DD10-48	NR	DD616R24	DD616-24	99
DD6R30	DD6-30	NR	DD416R5	DD416-5	66	DD616R26	DD616-26	NR
DD6R32	DD6-32	35	DD416R6	DD416-6	67	DD616R28	DD616-28	100
DD6R34	DD6-34	NR	DD416R7	DD416-7	68	DD616R30	DD616-30	NR
DD6R36	DD6-36	NR	DD416R8	DD416-8	69	DD616R32	DD616-32	101
DD6R38	DD6-38	NR	DD416R9	DD416-9	NR	DD616R34	DD616-34	NR
DD6R40	DD6-40	NR	DD416R10	DD416-10	70	DD616R36	DD616-36	102
DD6R42	DD6-42	NR	DD416R11	DD416-11	NR	DD616R38	DD616-38	NR
DD6R44	DD6-44	NR	DD416R12	DD416-12	71	DD616R40	DD616-40	103
DD6R46	DD6-46	NR	DD416R13	DD416-13	NR	DD616R42	DD616-42	NR
DD6R48	DD6-48	NR	DD416R14	DD416-14	72	DD616R44	DD616-44	104
DD8R4	DD8-4	38	DD416R15	DD416-15	NR	DD616R46	DD616-46	NR
DD8R5	DD8-5	39	DD416R16	DD416-16	73	DD616R48	DD616-48	105
DD8R6	DD8-6	40						

NR = NO REPLACEMENT

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Other Cust  
ARMY-AV  
NAVY-AS  
AIR FORCE-99  
PROCUREMENT SPECIFICATION  
FF-S-92

AIR FORCE - NAVY AERONAUTICAL STANDARD  
SCREW, MACHINE, FLAT HEAD, 82 DEGREE,  
COARSE THREAD  
SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF  
AN505 AND USAF DRAWINGS 42B4937, 42B5702

AN505  
SHEET 6 OF 7

REVIEWER SYMBOLS:  
ARMY-MI  
AIR FORCE-82  
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APPROVED 15 MAY 43 REVISED 7

INTERCHANGEABILITY TABLE FOR MS51959

SCREWS COVERED BY THE FOLLOWING DASH NUMBERS IN AN505 ARE CANCELED AND SUPERSEDED BY THE MS51959 DASH NUMBERS. USE THE SUPERSEDED DASH NUMBERS AS GIVEN. LENGTHS THAT ARE NOT COVERED BY MS51959 ARE INACTIVE FOR NEW DESIGN AFTER 17 FEB 59.

CANCELED AN505		MS51959 DASH NO.	CANCELED AN505		MS51959 DASH NO.	CANCELED AN505		MS51959 DASH NO.	CANCELED AN505		MS51959 DASH NO.
CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED		CROSS-RECESS	SLOTTED	
C2R3	C2-3	2	C5R18	C5-18	NR	C8R36	C8-36	54	C416R36	C416-36	88
C2R4	C2-4	3	C5R20	C5-20	NR	C8R38	C8-38	NR	C416R38	C416-38	NR
C2R5	C2-5	4	C5R22	C5-22	NR	C8R40	C8-40	55	C416R40	C416-40	89
C2R6	C2-6	5	C5R24	C5-24	NR	C8R42	C8-42	NR	C416R42	C416-42	NR
C2R7	C2-7	6	C6R3	C6-3	25	C8R44	C8-44	56	C416R44	C416-44	90
C2R8	C2-8	7	C6R4	C6-4	26	C8R46	C8-46	NR	C416R46	C416-46	NR
C2R9	C2-9	NR	C6R5	C6-5	27	C8R48	C8-48	57	C416R48	C416-48	91
C2R10	C2-10	8	C6R6	C6-6	28	C10R5	C10-5	60	C516R8	C516-8	94
C2R11	C2-11	NR	C6R7	C6-7	29	C10R6	C10-6	61	C516R9	C516-9	NR
C2R12	C2-12	9	C6R8	C6-8	30	C10R7	C10-7	62	C516R10	C516-10	95
C3R3	C3-3	NR	C6R9	C6-9	NR	C10R8	C10-8	63	C516R11	C516-11	NR
C3R4	C3-4	NR	C6R10	C6-10	31	C10R9	C10-9	NR	C516R12	C516-12	96
C3R5	C3-5	NR	C6R11	C6-11	NR	C10R10	C10-10	64	C516R13	C516-13	NR
C3R6	C3-6	NR	C6R12	C6-12	32	C10R11	C10-11	NR	C516R14	C516-14	97
C3R7	C3-7	NR	C6R13	C6-13	NR	C10R12	C10-12	65	C516R15	C516-15	NR
C3R8	C3-8	NR	C6R14	C6-14	33	C10R13	C10-13	NR	C516R16	C516-16	98
C3R9	C3-9	NR	C6R15	C6-15	NR	C10R14	C10-14	66	C516R18	C516-18	NR
C3R10	C3-10	NR	C6R16	C6-16	34	C10R15	C10-15	NR	C516R20	C516-20	99
C3R11	C3-11	NR	C6R18	C6-18	NR	C10R16	C10-16	67	C516R22	C516-22	NR
C3R12	C3-12	NR	C6R20	C6-20	35	C10R18	C10-18	NR	C516R24	C516-24	100
C3R13	C3-13	NR	C6R22	C6-22	NR	C10R20	C10-20	68	C516R26	C516-26	NR
C3R14	C3-14	NR	C6R24	C6-24	36	C10R22	C10-22	NR	C516R28	C516-28	101
C3R15	C3-15	NR	C6R26	C6-26	NR	C10R24	C10-24	69	C516R30	C516-30	NR
C3R16	C3-16	NR	C6R28	C6-28	37	C10R26	C10-26	NR	C516R32	C516-32	102
C4R3	C4-3	12	C6R30	C6-30	NR	C10R28	C10-28	70	C516R34	C516-34	NR
C4R4	C4-4	13	C6R32	C6-32	38	C10R30	C10-30	NR	C516R36	C516-36	103
C4R5	C4-5	14	C6R34	C6-34	NR	C10R32	C10-32	71	C516R38	C516-38	NR
C4R6	C4-6	15	C6R36	C6-36	NR	C10R34	C10-34	NR	C516R40	C516-40	104
C4R7	C4-7	16	C6R38	C6-38	NR	C10R36	C10-36	72	C516R42	C516-42	NR
C4R8	C4-8	17	C6R40	C6-40	NR	C10R38	C10-38	NR	C516R44	C516-44	105
C4R9	C4-9	NR	C6R42	C6-42	NR	C10R40	C10-40	73	C516R46	C516-46	NR
C4R10	C4-10	18	C6R44	C6-44	NR	C10R42	C10-42	NR	C516R48	C516-48	106
C4R11	C4-11	NR	C6R46	C6-46	NR	C10R44	C10-44	74	C616R8	C616-8	107
C4R12	C4-12	19	C6R48	C6-48	NR	C10R46	C10-46	NR	C616R9	C616-9	NR
C4R13	C4-13	NR	C8R4	C8-4	41	C10R48	C10-48	75	C616R10	C616-10	108
C4R14	C4-14	20	C8R5	C8-5	42	C416R5	C416-5	76	C616R11	C616-11	NR
C4R15	C4-15	NR	C8R6	C8-6	43	C416R6	C416-6	77	C616R12	C616-12	109
C4R16	C4-16	21	C8R7	C8-7	44	C416R7	C416-7	78	C616R13	C616-13	NR
C4R18	C4-18	NR	C8R8	C8-8	45	C416R8	C416-8	79	C616R14	C616-14	110
C4R20	C4-20	22	C8R9	C8-9	NR	C416R9	C416-9	NR	C616R15	C616-15	NR
C4R22	C4-22	NR	C8R10	C8-10	46	C416R10	C416-10	80	C616R16	C616-16	111
C4R24	C4-24	23	C8R11	C8-11	NR	C416R11	C416-11	NR	C616R18	C616-18	NR
C5R3	C5-3	NR	C8R12	C8-12	47	C416R12	C416-12	81	C616R20	C616-20	112
C5R4	C5-4	NR	C8R13	C8-13	NR	C416R13	C416-13	NR	C616R22	C616-22	NR
C5R5	C5-5	NR	C8R14	C8-14	48	C416R14	C416-14	82	C616R24	C616-24	113
C5R6	C5-6	NR	C8R15	C8-15	NR	C416R15	C416-15	NR	C616R26	C616-26	NR
C5R7	C5-7	NR	C8R16	C8-16	49	C416R16	C416-16	83	C616R28	C616-28	114
C5R8	C5-8	NR	C8R18	C8-18	NR	C416R18	C416-18	NR	C616R30	C616-30	NR
C5R9	C5-9	NR	C8R20	C8-20	50	C416R20	C416-20	84	C616R32	C616-32	115
C5R10	C5-10	NR	C8R22	C8-22	NR	C416R22	C416-22	NR	C616R34	C616-34	NR
C5R11	C5-11	NR	C8R24	C8-24	51	C416R24	C416-24	85	C616R36	C616-36	116
C5R12	C5-12	NR	C8R26	C8-26	NR	C416R26	C416-26	NR	C616R38	C616-38	NR
C5R13	C5-13	NR	C8R28	C8-28	52	C416R28	C416-28	86	C616R40	C616-40	117
C5R14	C5-14	NR	C8R30	C8-30	NR	C416R30	C416-30	NR	C616R42	C616-42	NR
C5R15	C5-15	NR	C8R32	C8-32	53	C416R32	C416-32	87	C616R44	C616-44	118
C5R16	C5-16	NR	C8R34	C8-34	NR	C416R34	C416-34	NR	C616R46	C616-46	NR

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NAVY-AV  
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PROCUREMENT SPECIFICATION  
FF-S-92

AIR FORCE - NAVY AERONAUTICAL STANDARD  
SCREW, MACHINE, FLAT HEAD, 82 DEGREE,  
COARSE THREAD  
SUPERSEDES: FORMER AIR FORCE AND NAVY STANDARD ISSUE OF  
AN505 AND USAF DRAWINGS 42B4937, 42B5702

AN505  
SHEET 7 OF 7

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