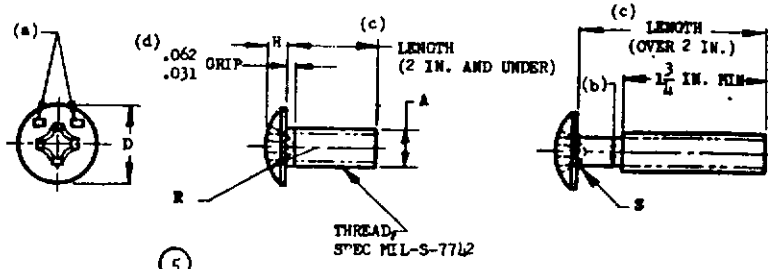


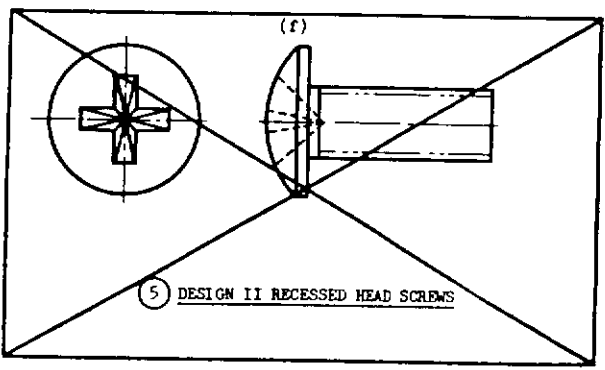
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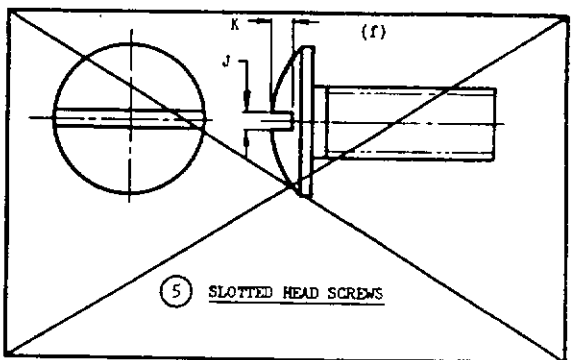
⑤ **DESIGN I RECESSED HEAD SCREW**

SIZE	A DIA		D DIA		H	J		K		R RAD	S RAD
	MAX	MIN	MAX	MIN		MAX	MIN	MAX	MIN		
NO. 6	.138	.321	.303	.086	.048	.039	.050	.037	.211	.015	
NO. 8	.164	.384	.364	.102	.054	.045	.056	.045	.254	.020	
NO. 10	.190	.448	.425	.118	.060	.050	.068	.053	.283	.025	
1/4	.250	.573	.546	.150	.075	.064	.087	.070	.375	.030	

- ⑤ (A) MARK CORROSION-RESISTANT STEEL SCREWS, SIZES NUMBER 5 AND LARGER WITH DEPRESSED DASH.
- (b) THE DIAMETER OF THE UNTHREADED PORTION OF THE SCREWS SHALL NOT BE LESS THAN THE MINIMUM PITCH DIAMETER NOR MORE THAN THE MAXIMUM MAJOR DIAMETER OF THE THREAD.
- (c) FOR MACHINE SCREWS 2 INCHES LONG AND SHORTER, THE COMPLETE THREADS SHALL EXTEND TO WITHIN TWO THREADS OF THE BEARING SURFACE OF THE HEAD OR CLOSER IF PRACTICABLE. SCREWS OF LONGER LENGTH SHALL HAVE A MINIMUM COMPLETE THREAD LENGTH OF 1-3/4 INCHES.
- (d) THE DIAMETER OF THE GRIP SHALL NOT EXCEED THE MAJOR DIAMETER OF THE THREAD.
- ⑤ (f) DESIGN II RECESSED AND SLOTTED HEAD SCREWS INACTIVE FOR DESIGN AFTER 17 FEBRUARY 1959.



⑤ **DESIGN II RECESSED HEAD SCREWS**



⑤ **SLOTTED HEAD SCREWS**

⑤ DIMENSIONING AND GAGING OF THE ABOVE RECESS SHALL BE IN ACCORDANCE WITH THE PROCUREMENT SPECIFICATION.

⑥ CANCELLED AFTER 1 SEP 1965

USE MS35206, MS35207, MS35218, MS35219, MS51957 and MS51958

Interchangeability relationship - The MS parts can replace the cancelled AN526 parts of like material, finish, thread size and length. The cancelled AN526 parts cannot replace the MS parts and should be used until existing stock is depleted. Use only the superseding MS parts for design and replacement.

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APPROVED 17 Nov 42 REVISED 1 6 Feb 43 2 16 Mar 45 3 15 Jun 50 4 21 Feb 52 5 17 Feb 58 6 1 Sep 65

⑤ PROCUREMENT SPECIFICATION FF-8-92	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN526 SHEET 1 OF 2
	SCREW, MACHINE, TRUSS HEAD	

1. When Government drawings, specifications, or other data are used for any purpose, the name in connection with such drawings, specifications, or other data shall not be construed as an endorsement, approval, or other official action of the Government, or as a warranty, or as a representation, or as a guarantee, or as an assumption of liability on the part of the Government, or as a representation, or as a guarantee, or as an assumption of liability on the part of the Government, or as a representation, or as a guarantee, or as an assumption of liability on the part of the Government.

DASH NUMBERS FOR CARBON STEEL SCREWS

L LENGTH	COARSE THREAD				FINE THREAD			
	NO. 6-32 NC-2A	NO. 8-32 NC-2A	(*) NO. 10-24 NC-2A	(*) 1/4-20 UNC-2A	(*) NO. 6-40 NF-2A	(*) NO. 8-36 NF-2A	(*) NO. 10-32 NF-2A	1/4-28 UNF-2A
1/4	632-4	832-4	1024-4		640-4	836-4	1032-4	
5/16	632-5	832-5	1024-5		640-5	836-5	1032-5	
3/8	632-6	832-6	1024-6	420-6	640-6	836-6	1032-6	428-6
7/16	632-7	832-7	1024-7	420-7	640-7	836-7	1032-7	428-7
1/2	632-8	832-8	1024-8	420-8	640-8	836-8	1032-8	428-8
9/16	632-9	832-9	1024-9	420-9	640-9	836-9	1032-9	428-9
5/8	632-10	832-10	1024-10	420-10	640-10	836-10	1032-10	428-10
3/4	632-12	832-12	1024-12	420-12	640-12	836-12	1032-12	428-12
7/8	632-14	832-14	1024-14	420-14	640-14	836-14	1032-14	428-14
1	632-16	832-16	1024-16	420-16	640-16	836-16	1032-16	428-16
1-1/8	632-18	832-18	1024-18	420-18	640-18	836-18	1032-18	428-18
1-1/4	632-20	832-20	1024-20	420-20	640-20	836-20	1032-20	428-20
1-3/8	632-22	832-22	1024-22	420-22	640-22	836-22	1032-22	428-22
1-1/2	632-24	832-24	1024-24	420-24	640-24	836-24	1032-24	428-24
1-5/8	632-26	832-26	1024-26	420-26	640-26	836-26	1032-26	428-26
1-3/4	632-28	832-28	1024-28	420-28	640-28	836-28	1032-28	428-28
1-7/8	632-30	832-30	1024-30	420-30	640-30	836-30	1032-30	428-30
2	632-32	832-32	1024-32	420-32	640-32	836-32	1032-32	428-32
2-1/4	632-36	832-36	1024-36	420-36	640-36	836-36	1032-36	428-36
2-1/2	632-40	832-40	1024-40	420-40	640-40	836-40	1032-40	428-40
2-3/4	632-44	832-44	1024-44	420-44	640-44	836-44	1032-44	428-44
3	632-48	832-48	1024-48	420-48	640-48	836-48	1032-48	428-48

(*) NOT PREFERRED FOR AIRFRAME USE

COARSE THREAD
RATED STRENGTH IN POUNDS
(FOR REFERENCE PURPOSES ONLY)

SIZE	MINIMUM ULTIMATE TENSILE BREAKING STRENGTH AT ROOT DIAMETER	MINIMUM SINGLE SHEAR STRENGTH AT ROOT DIA
NO. 6-32 NC-2A	410	246
NO. 8-32 NC-2A	660	396
NO. 10-24 NC-2A	800	480
1/4-20 UNC-2A	1480	890

FINE THREAD
RATED STRENGTH IN POUNDS
(FOR REFERENCE PURPOSES ONLY)

SIZE	MINIMUM ULTIMATE TENSILE BREAKING STRENGTH AT ROOT DIAMETER	MINIMUM SINGLE SHEAR STRENGTH AT ROOT DIA
NO. 6-40 NF-2A	478	287
NO. 8-36 NF-2A	735	423
NO. 10-32 NF-2A	960	575
1/4-28 UNF-2A	1790	1075

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

MATERIAL: CARBON STEEL, SPECIFICATION QQ-S-671, TYPE FS 1010, 55,000 PSI MINIMUM ULTIMATE ALLOWABLE TENSILE STRESS OR OTHER STEEL MEETING THE SAME PHYSICAL REQUIREMENTS.
CORROSION RESISTING STEEL, SPECIFICATION QQ-S-763, CLASS IV OR MIL-S-7720, COMPOSITION FM OR G FOR COLD UPSETTING PROCESS.
ALUMINUM ALLOY, SPECIFICATION QQ-A-354.

- ① FINISH: CARBON STEEL, CADMIUM PLATE, SPECIFICATION QQ-P-416, TYPE I, CLASS 3.
CORROSION RESISTING STEEL, PASSIVATE.
ALUMINUM ALLOY, ANODIZE, SPECIFICATION MIL-A-8625.

HEAT TREATMENT: ALUMINUM ALLOY, 62,000 PSI MINIMUM ULTIMATE ALLOWABLE TENSILE STRESS, SPECIFICATION MIL-H-6088.

- ① ADD R BETWEEN FIRST AND SECOND DASH NUMBERS FOR RECESSED HEAD SCREWS.

ADD C BEFORE FIRST DASH NUMBER FOR CORROSION RESISTING STEEL.
ADD DD BEFORE DASH NUMBER FOR ALUMINUM ALLOY.

LENGTHS IN ADDITION TO THOSE TABULATED ARE AVAILABLE IN 1/4 INCH INCREMENTS BY THE USE OF THE SIGNIFICANT SECOND DASH NUMBER.

EXAMPLES OF PART NOS.: AN526-632-4 = NO. 6-32 NC-2A CARBON STEEL SCREW, 1/4 (4/16) INCH LONG, SLOTTED HEAD.
AN526-632R4 = NO. 6-32 NC-2A CARBON STEEL SCREW, 1/4 (4/16) INCH LONG, RECESSED HEAD.
AN526C632-4 = NO. 6-32 NC-2A CORROSION RESISTING STEEL SCREW, 1/4 (4/16) INCH LONG, SLOTTED HEAD.
AN526C1032-4 = NO. 10-32 NF-2A CORROSION RESISTING STEEL SCREW, 1/4 (4/16) INCH LONG, SLOTTED HEAD.
AN526DD1032-8 = NO. 10-32 NF-2A ALUMINUM ALLOY SCREW, 1/2 (8/16) INCH LONG, SLOTTED HEAD.

- ① SCREWS SHALL BE FREE OF ALL LOOSE OR HANGING BURRS OR SLIVERS WHICH MIGHT BECOME DISLODGED UNDER USAGE.
IN CASE OF CONFLICT, THE REQUIREMENTS SPECIFIED HEREON SHALL TAKE PRECEDENCE OVER THE REQUIREMENTS SPECIFIED IN SPECIFICATION FF-S-92.

DIMENSIONS IN INCHES.

PROCUREMENT SPECIFICATION ① FF-S-92	AIR FORCE-NAVY AERONAUTICAL STANDARD SCREW, MACHINE, TRUSS HEAD	AN526 SHEET 2 OF 2
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