		Aerospace Industries	AIA/NAS NAS*		18743 0007350 7 11 AEROSPACE STANDAR	ĺD				
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	MARK STEEL SCRE CONNECTED WITH "X" NEED BE VIS POSITION OPTION	A BAR. ONLY ONE	(8) SEE NOTE 6 AN INCREASE OF OVER "A" DIA IO MISSIBLE FROM I	OINT H	B FED. SUP CLASS 5305 THREAD T SPEC MIL-S-8879 CEP NO.					
ASSOCIATION OF AMERICA, INC.		EDGE OF HEAD MAY BE ROUNDED	D		SEE NOTE 4 M X 45 APPROX (OPTIONAL) (OPTIONAL) (OPTIONAL)					
NES ASSOCIAT N. 005	TAPERED WINGS, AN	RECESS ESS HAS A LARGE CENTER ND BLUNT BOTTOM, WITH A DED. RECESS SHALL BE 1 (8)	ALL EDGES	HEAD WITH	ONICAL SURFACE OF THE SHALL BE CONCENTRIC THE BODY WITHIN .003 TIR 8	-				
AEROSPACE INDUSTRIES , 1250 EYE STREET, N.W. WASHINGTON, D.C. 20005	THREAD T SEE NOTE	A MAX M	IN ABS F H MIN MAX REF	J / \ К /	R TENSILE SINGLE RADIUS STRENGTH LBS REF LBS REF TAX MIN NOTE 8					
₽¥2	.1900-3208 .2500-2808 .3125-2408	NJC-3A .1372 1340 .279 .2 NJC-3A .1671 .600 .332 .3 NJF-3A .1890 .1860 .385 .3 NJF-3A .2490 .2460 .507 .4 NJF-3A .9115 .3086 .635 .6	91 .447 .018 .106 .07 17 .568 .020 .133 .08	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$	015 .005 1,740 1,040 015 .005 2,490 1,490 015 .005 4,520 2,710 020 .010 7,240 4,340					
	-(=	FREARSON		SLOT						
FOR THE MONTHS	-SLOTS WITH PAR APEX AT BOTTOM	RECESSED HEAD SCI RECESS CONSISTS OF TWO WALLEL SIDES CONVERGING OF RECESS RECESS SI WI THE 1959 SUPPLEMENT	INTERSECTING- TO A-SHARP- WALL-BE-IN-	SLOTTED HEAD SO FOR DESIGN AFT	CREW INACTIVE ER 1 SEPT. 1963.					
DRAWINGS FOR THAN SIX MOI		FOR FEDERAL SERVICES 1 SSED HEAD E FOR DESIGN		FOR DEFINITION STATUS NOTES, S	OF DRAWING SEE NAS380.					
THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS SAME PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX FROM THE LAST DATE OF APPROVAL SHOWN HEREON.	MATERIAL: 8 HEAT TREAT:	4130 (UNS G41300) PER	MIL-S-6758, 4340 (1 (UNE 687350) PER MI	INS G434000) PER MIL 	ZES-THROUCH .3750 DIAMETER) , S-5000, 8630 (UNS-686300) IS G87400) PER MIL-S-6049.	LOOL				
	FINISH:	CADMIUM PLATE, SPEC QQ-P-416 TYPE I, CLASS 2. CADMIUM PLATE, SPEC QQ-P-416 TYPE II, CLASS 2. FOR PARTS CARRYING "B" OR "P" AFTER LAST DASH NO. (SEE CODE) PARTS WITH CLASS 3 PLATING MAY BE FURNISHED FROM SUPPLIER'S STOCK UNTIL								
awing supersedes all roduct and shall ber ie last date of Appro	 NOTES: 1. REFERENCE DIMENSIONS ARE FOR DESIGN PURPOSES ONLY AND ARE NOT AN INSPECTION REQUIREMENT 2. DIMENSIONS IN INCHES 3. SCREWS SHALL BE FREE OF ALL BURRS AND SHARP EDGES 4. SCREW MANUFACTURERS MAY SUPPLY SCREWS WITH MIL-S-7742 THREADS UNTIL 31 DEC. 1970. SCREWS WITH MIL-S-7742 THREADS MAY BE USED UNTIL STOCK IS DEPLETED. 									
THIS DR SAME PF FROM TH					LIST OF CURRENT SHEETS NO. REV. NO. REV. 1 8 2					
	CUSTODIAN NATIONAL A	EROSPACE STANDARDS COMMITTE	E		ANGLE PROJECTION					
	PROCUREMENT		TITLE		CLASSIFICATION STANDARD PART	\neg				
	MIL-S-7839		REW, MACHINE, 100°, FLAT FULL THREADED, ALLOY STE	EL	NAS 514 SHEET 1 OF 2					
erospace Indus IHS under lice	stries Association of America Inc.	JPON THIS DOCUMENT OR ANY NA	TIONAL AERO Licensee=Bombardier	Inc/9984322105 Y VOLUNTARY. A	IA DOES NOT QUALIFY SUPPLIERS OR ENTATION OR CLAIM RESPECTING (1)					

APPROVAL DATE March 1953 REVISION (8) 25 April 1991

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AIA/NAS NAS*514 91 🖿 0318743 0007351 9 📰 NATIONAL AEROSPACE STANDARD

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- THREAD LENGTH: SCREWS LESS THAN 2 DIAS IN LENGTH-COMPLETE THREADS SHALL EXTEND 5. TO WITHIN 2 PITCHES OF BEARING SURFACE OF HEAD AND INCOMPLETE THREADS MAY EXTEND UP TO BEARING SURFACE. SCREWS 2 DIAS THRU 2 INCHES IN LENGTH-COMPLETE THREADS SHALL EXTEND TO WITHIN 2 PITCHES OF TANGENCY OF "R" AND INCOMPLETE THREADS MAY EXTEND UP TO "R" FILLET AREA.
- THE DIAMETER OF UNTHREADED PORTION OF THE SCREWS SHALL NOT BE LESS THAN THE MINIMUM PITCH DIAMETER NOR MORE THAN THE MAXIMUM MAJOR DIAMETER OF THE THREAD. ALLOY STEELS 4037, 8630 AND 8735 ARE INACTIVE FOR NEW DESIGN AFTER DEC. 1990. PARTMANUFACTURED FROM THESE ALLOY STEELS MAY BE FURNISHED FROM SUPPLIERS STOCK UNTIL 6.
- PARTS 7. DEC. 1992. EXISTING STOCK MAY BE USED TO DEPLETION.
- SHEAR STRENGTH VALUES ARE BASED ON THE AVERAGE OF THE MEAN PITCH AND MINOR DIAMETER 8. BECAUSE OF THE FULL THREAD LENGTH.

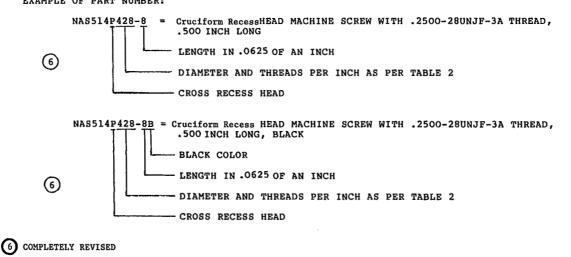
TABLE 2 (6)

6		(DASH NUMBERS)								
L LENGTH		.1120-40 UNJC-3A	.1380-32 UNJC-3A	.1640-32 UNJC-3A	.1900-32 UNJF-3A	.2500-28 UNJF-3A	.3125-24 UNJF-3A	.3750-24 UNJF-34		
.188 .250 .312 .375 .438 .500 .625 .750 .875 1.000	+0 031	440-3 440-4 440-5 440-6 440-7 440-8 440-7 440-10 440-10 440-12 440-14	632-3 632-4 632-5 632-6 632-7 632-8 632-10 632-12 632-14 632-16	832-4 832-5 832-6 832-7 832-8 832-10 832-12 832-14 832-16	1032-4 1032-5 1032-6 1032-7 1032-8 1032-10 1032-12 1032-14 1032-16	428-6 428-7 428-8 428-10 428-12 428-14 428-16	524-8 524-10 524-12 524-14 524-16	624-8 624-10 624-12 624-14 624-16		
1.125 1.250 1.375 1.500 1.625 1.750 1.875 2.000	+0 062	440-18 440-20 440-24	632-18 632-20 632-24 632-28 632-32	832-18 832-20 832-24 832-28 832-32	1032-18 1032-20 1032-22 1032-24 1032-26 1032-28 1032-30 1032-32	428-18 428-20 428-22 428-24 428-26 428-28 428-30 428-32	524-18 524-20 524-24 524-28 524-28	624-18 624-20 624-24 624-28 624-32		

LENGTHS IN ADDITION TO THOSE TABULATED MAY BE CODED IN .0625 INCH INCREMENTS FOR INTERMEDIATE LENGTHS AND . 250 INCH INCREMENTS FOR LENGTHS OVER 2 INCHES BY THE USE OF THE SIGNIFICANT SECOND DASH NUMBER. SCREWS LONGER THAN 2 INCHES SHALL HAVE A MINIMUM COMPLETE THREAD LENGTH OF 1.750 INCHES.

ADD "P" BETWEEN BASIC PART NUMBER AND FIRST DASH NUMBER FOR CRUCIFORM RECESS. ADD "P" DETWEEN CODE : DAGIC PART NUMBER AND FIRST DAGH NUMBER FOR FREAKSON (REED AND PRINCE) RECESS. NO LETT INDICATES SLOTTED HEAD; ADD "B" FOLLOWING LAST DASH NUMBER FOR SCREW WITH DULL BLACK CHROMATE TREATMENT. ADD "P" FOLLOWING LAST DASH NUMBER FOR SCREW WITH CADMIUM PLATING, NO LETTER (6) PER OO-P-416 TYPE II.

EXAMPLE OF PART NUMBER:



NAS 514

SHEET 2

1991

April

52 6

() 31 Aug. 1954 () 15 Oct. 1958 () 15 Dec. 1961 () 30 Aug. 1963 () 30 Aug. 1969

REVISION

APPROVAL DATE March 1953

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DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE 2 PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS 1 THE LAST DATE OF APPROVAL SHOWN HEREON.

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