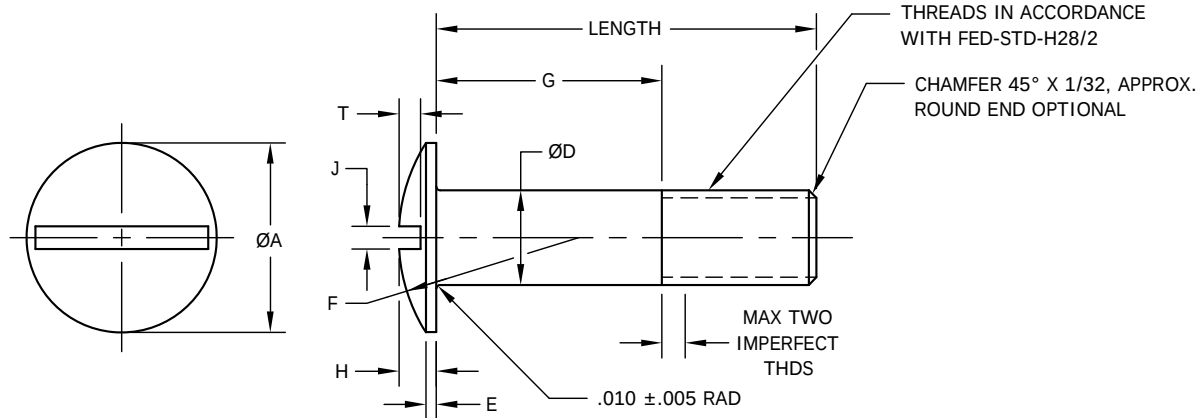
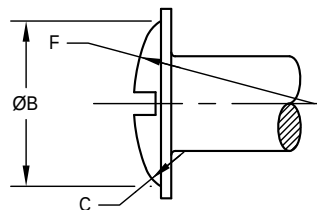


FED. SUPPLY CLASS

5305



AL ALLOY SCREW



STEEL SCREW

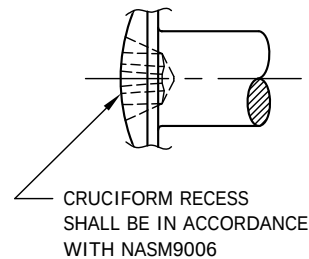


TABLE I - DIMENSIONS

SIZE	ØA	ØB	C RAD	ØD +.000 -.002	E +.005 -.000	F RAD	H ± .005	J	T ±.005
.1640-32 UNC-3A	.375	.312	.078	.164	.023	.312	.087	.043	+.007 -.006
.1640-36 UNF-3A									
.1900-32 UNF-3A	.437	.375	.078	.190	.025	.398	.094	.047	+.008 -.006
.2500-28 UNF-3A	.500	.437	.097	.250	.028	.474	.101	.053	+.013 -.002

MATERIAL:

ALLOY STEEL 4037 (UNS G40370) PER AMS6300, OR 8630 (UNS G86300) PER MIL-S-6050 OR AMS6280.
AL ALLOY PER ASTM B221, ASTM B241/B241M OR ASTM B308/B308M.

HEAT TREATMENT:

ALLOY STEEL: 125,000 PSI F_{tu} MIN PER PROCUREMENT SPECIFICATION
AL ALLOY: 62,000 PSI F_{tu} MIN PER PROCUREMENT SPECIFICATION

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES AN525 REVISION 2, AMENDMENT 1. PART NUMBERS REMAIN AN525.

THIRD ANGLE PROJECTION	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 3
PROCUREMENT SPECIFICATION NASM7839	TITLE SCREW, WASHER HEAD	CLASSIFICATION PART STANDARD NASM525



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FINISH:

③

STEEL: CADMIUM PLATE PER AMS-QQ-P-416, TYPE II, CLASS 2, OR ZINC PLATE PER ASTM B633, Fe/Zn 13, TYPE II.

CODE:

ADD "R" BETWEEN FIRST AND SECOND DASH NO(S) FOR CRUCIFORM RECESSED HEAD SCREWS.
ADD "D" BEFORE FIRST DASH NUMBER FOR AL ALLOY SCREWS: SIZE 8 AVAILABLE WITH NC THREAD ONLY.

③ EXAMPLE OF PART NUMBER:

AN525-10-6 = .1900-32 SLOTTED HEAD STEEL SCREW, .375 LONG WITH .031 GRIP.
AN525D10-6 = .1900-32 SLOTTED HEAD AL ALLOY SCREW, .375 LONG WITH .031 GRIP.
AN525-10R6 = .1900-32 CRUCIFORM RECESSED HEAD STEEL SCREW, .375 LONG WITH .031 GRIP.

NOTES:

- (1) DIMENSIONS APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (3) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (4) REMOVE ALL BURRS AND SHARP EDGES.
- ③ (5) DIMENSIONS IN INCHES. TOLERANCES, UNLESS OTHERWISE SPECIFIED: DECIMALS $\pm .010$, ANGLES $\pm 5^\circ$.
- ③ (6) UNLESS OTHERWISE SPECIFIED HEREIN, REFERENCED DOCUMENTS SHALL BE THE ISSUE IN EFFECT ON DATE OF MANUFACTURE. HOWEVER, EXISTING MATERIAL INVENTORY CERTIFIED TO A PREVIOUS REVISION OF THE APPLICABLE MATERIAL SPECIFICATION(S) IS ACCEPTABLE FOR USE UNTIL DEPLETION.
- (7) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.

③ TABLE II – DASH NUMBERS FOR SLOTTED HEAD STEEL SCREWS

LENGTH $\pm .031$	G $\pm .016$	DASH NUMBERS			
		.1640-32	.1640-36	.1900-32	.2500-28
.375	.031	832-6	8-6	10-6	416-6
.438	.063	832-7	8-7	10-7	416-7
.500	.125	832-8	8-8	10-8	416-8
.563	.156	832-9	8-9	10-9	416-9
.625	.219	832-10	8-10	10-10	416-10
.688	.281	832-11	8-11	10-11	416-11
.750	.344	832-12	8-12	10-12	416-12
.875	.469	832-14	8-14	10-14	416-14
1.000	.594	832-16	8-16	10-16	416-16

LENGTH $\pm .031$	G $\pm .016$	DASH NUMBERS			
		.1640-32	.1640-36	.1900-32	.2500-28
1.125	.719	832-18	8-18	10-18	416-18
1.250	.844	832-20	8-20	10-20	416-20
1.375	.969	832-22	8-22	10-22	416-22
1.500	1.094	832-24	8-24	10-24	416-24
1.625	1.219	832-26	8-26	10-26	416-26
1.750	1.344	832-28	8-28	10-28	416-28
1.875	1.469	832-30	8-30	10-30	416-30
2.000	1.594	832-32	8-32	10-32	416-32

REVISION

3

NAS 525
SHEET 2



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