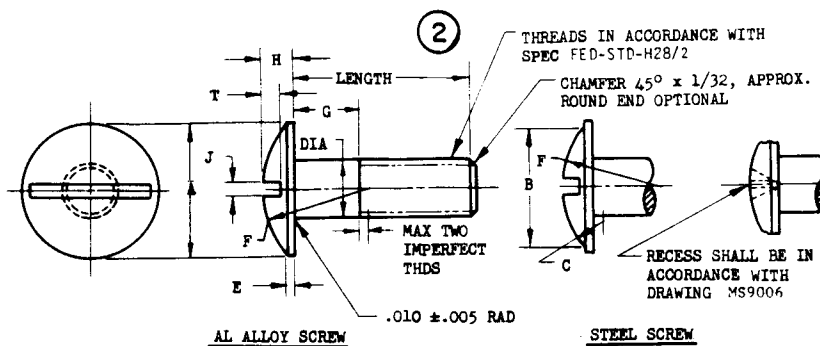


APR 15 1985

FED. SUP CLASS
5305

USER ACTIVITIES:
 ARMY - MI, HE
 NAVY
 AIR FORCE



SIZE	DIA +.000 -.002	A DIA	B DIA	C RAD	E +.005 -.000	F RAD	H ±.005	J	T ±.005
.164-32UNC-3A	.164	.375	.312	.078	.023	.312	.087	.043 +.007 -.006	.049
.164-36UNF-3A									
.190-32UNF-3A	.190	.437	.375	.078	.025	.398	.094	.047 +.008 -.006	.054
.250-28UNF-3A	.250	.500	.437	.097	.028	.474	.101	.053 +.011 -.002	.058

DASH NOS. FOR SLOTTED HEAD STEEL SCREWS.

LENGTH ±1/32	G	DASH NUMBERS			
		#8-32	#8-36	#10-32	1/4-28
3/8	1/32	832-6	8-6	10-6	416-6
7/16	1/16	832-7	8-7	10-7	416-7
1/2	1/8	832-8	8-8	10-8	416-8
9/16	5/32	832-9	8-9	10-9	416-9
5/8	7/32	832-10	8-10	10-10	416-10
11/16	9/32	832-11	8-11	10-11	416-11
3/4	11/32	832-12	8-12	10-12	416-12
7/8	15/32	832-14	8-14	10-14	416-14
1	19/32	832-16	8-16	10-16	416-16

LENGTH ±1/32	G	DASH NUMBERS			
		#8-32	#8-36	#10-32	1/4-28
1-1/8	23/32	832-18	8-18	10-18	416-18
1-1/4	27/32	832-20	8-20	10-20	416-20
1-3/8	31/32	832-22	8-22	10-22	416-22
1-1/2	1- 3/32	832-24	8-24	10-24	416-24
1-5/8	1- 7/32	832-26	8-26	10-26	416-26
1-3/4	1-11/32	832-28	8-28	10-28	416-28
1-7/8	1-15/32	832-30	8-30	10-30	416-30
2	1-19/32	832-32	8-32	10-32	416-32

REVIEWER AC. TIES: ARMY
 NAVY
 AIR FORCE
 DLA - IS

- MATERIAL: STEEL SPEC AMS 6300 OR MIL-S-6050 TENSILE STRENGTH, 125,000 PSI (MIN).
 AL ALLOY, QQ-A-200/5 TENSILE STRENGTH, 62,000 PSI (MIN).
- FINISH: STEEL, CAD PLATE, SPEC QQ-P-416, TYPE II, CLASS 3 OR ZINC PLATE,
 PER ASTM B 633-78, Fe/Zn 13, TYPE II.
- PART NUMBERS: ADD "R" BETWEEN FIRST AND SECOND DASH NOS. FOR RECESSED HEAD SCREWS.
 ADD "D" BEFORE FIRST DASH NUMBER FOR AL ALLOY SCREWS: SIZE 8 AVAILABLE WITH NC THREAD ONLY.
 EXAMPLE OF PART NO.: AN525-10-6 = .190-32 SLOTTED HEAD STEEL SCREW, 3/8 LONG WITH 1/32 GRIP.
 AN525D10-6 = .190-32 SLOTTED HEAD AL ALLOY SCREW, 3/8 LONG WITH 1/32 GRIP.
 AN525-10R6 = .190-32 RECESSED HEAD STEEL SCREW, 3/8 LONG WITH 1/32 GRIP.
- BEARING SURFACE OF HEAD MUST BE FREE FROM BURRS AND TOOL MARKS.
- DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS $\pm 1/64$, DECIMALS $\pm .010$, ANGLES $\pm 5^\circ$.
- 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.

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.

P. A. AIR FORCE - 82 Other Cust AIR FORCE - 99 NAVY - AS	INTERNATIONAL INTEREST	SCREW - WASHER HEAD	AN525
PROCUREMENT SPECIFICATION MIL-S-7839	SUPERSEDES:	SHEET	OF

DD FORM 672-1 (COORDINATED)

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

☆ U.S. GOVERNMENT PRINTING OFFICE: 1985 — 505-038/20862

APPROVED 29 OCT 45
 REVISED 1 27 SEP 63
 29 JAN 85

AMO 9-2

[illegible]

6 DIMENSIONING AND CASTING OF THE ABOVE RECESS DESIGNS SHALL BE IN ACCORDANCE WITH PT-C-2.

SIZE	THREADS PER INCH	D MAJ DIA	S DIA		W MAX	J		K		P DIA	
			MAX	MIN		MAX	MIN	MAX	MIN	MAX	MIN
NO. 2	12	.006	.162	.116	.369	.031	.023	.325	.217	.059	.092
NO. 4	24	.111	.211	.173	.286	.319	.311	.358	.266	.075	.071
NO. 6	30	.139	.260	.220	.233	.326	.319	.368	.251	.095	.099
NO. 8	36	.166	.287	.247	.220	.358	.355	.371	.259	.112	.106
NO. 10	44	.189	.310	.270	.237	.360	.358	.387	.285	.130	.123
1/16	54	.216	.337	.297	.270	.375	.366	.406	.300	.179	.171

⑥ DESIGN 11 REPAIR AND CHARTER HULL CORRUPT STRUCTURE FOR DESIGN AFTER 17 FEBRUARY 1959.

411-9-6011

AN530

PAGE 1 OF 3

SUPERSEDES LEAD DRAWINGS
510, L2A4966 AND L2A5701

65 JUL 17 9 55 AM '61
 20 AUG 19 5 10 PM '61
 14 FEB 64
 25 APR 64
 20 JUN 64
 14 FEB 65