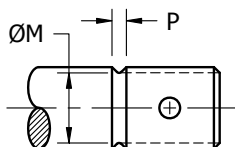


FED. SUPPLY CLASS

5306

MARK WITH A DOUBLE —
"X" RAISED OR DEPRESSED
.010 INCH MAX. ONLY
ONE "X" NEED BE VISIBLE
AFTER SLOTTING. HEAD
MARKING MAY INCLUDE
MANUFACTURER'S
MARKINGS.



DETAIL A
ALTERNATE CONSTRUCTION

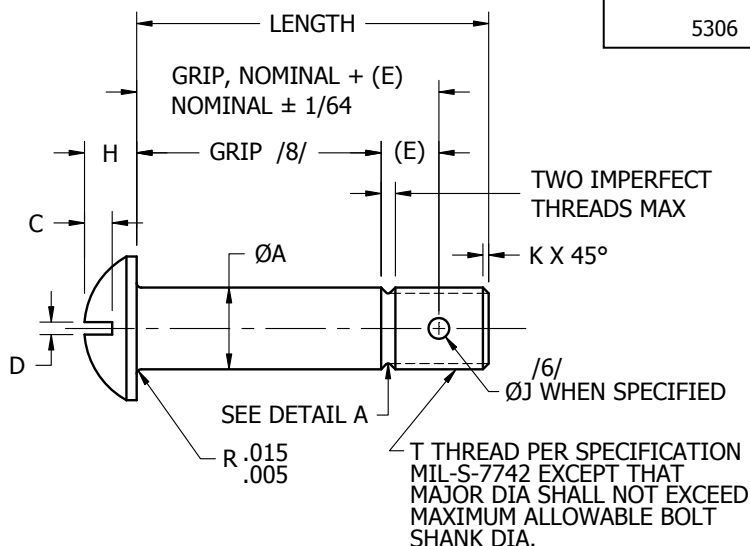


TABLE I – DIMENSIONS

BASIC AN PART NO.	T THREAD	ØA +.000 -.002	ØB	C	D	(E)	H	ØJ DRILL +.010 -.000	K ±.016	ØM ±.005	P	RATED STRENGTH, LBF	
												SINGLE SHEAR AT FULL DIA	TENSILE /7/
AN21	NO. 6-40 UNF-3A	.136	5/16	3/64	1/32	5/32	5/64	.038	.031	.100	1/32	1,060	510
AN22	NO. 8-36 UNF-3A	.162	3/8	1/16	3/64	5/32	3/32	.070	.031	.120	1/32	1,500	760
AN23	NO. 10-32 UNF-3A	.186	3/8	1/16	3/64	3/16	3/32	.070	.031	.141	3/64	2,125	1,105
AN24	1/4 -28 UNF-3A	.248	1/2	3/32	1/16	3/16	1/8	.076	.031	.196	3/64	3,680	2,040
AN25	5/16-24 UNF-3A	.311	5/8	7/64	5/64	3/16	5/32	.076	.047	.250	1/16	5,750	3,250
AN26	3/8 -24 UNF-3A	.373	11/16	9/64	3/32	7/32	3/16	.106	.047	.313	1/16	8,280	5,050
AN27	7/16-20 UNF-3A	.436	13/16	5/32	3/32	7/32	7/32	.106	.047	.360	1/16	11,250	6,800
AN28	1/2 -20 UNF-3A	.497	7/8	11/64	7/64	1/4	1/4	.106	.047	.422	1/16	14,700	9,250
AN29	9/16-18 UNF-3A	.560	1	3/16	7/64	5/16	9/32	.141	.062	.482	5/64	18,700	11,800
AN30	5/8 -18 UNF-3A	.622	1 1/8	3/16	1/8	5/16	5/16	.141	.062	.545	5/64	23,000	15,050
AN32	3/4 -16 UNF-3A	.747	1 5/16	13/64	9/64	3/8	3/8	.141	.062	.660	3/32	33,150	22,000
AN34	7/8 -14 UNF-3A	.871	1 1/2	7/32	5/32	7/16	7/16	.141	.078	.773	3/32	45,050	30,000
AN36	1-14 NF-3A	.996	1 3/4	15/64	11/64	1/2	1/2	.141	.078	.898	3/32	58,900	40,350
AN37	1-12 UNF-3A	.996	1 3/4	15/16	11/64	1/2	1/2	.141	.078	.898	3/32	58,900	40,350

MATERIAL:

STEEL, 4130 (UNS G41300) PER AMS-S-6758 OR 8740 (UNS G87400) PER ~~MIL-S-6049~~ AMS6322, AMS6325, OR AMS6327.

FINISH:

CADMIUM PLATE PER AMS-QQ-P-416 TYPE II, CLASS 2.

① COMPLETELY REVISED

THE INITIAL RELEASE OF THIS DOCUMENT SUPERSEDES AN21 THRU AN37, REVISION 11. PART NUMBERS REMAIN AN21 THRU AN37.

THIRD ANGLE PROJECTION 	CUSTODIAN NATIONAL AEROSPACE STANDARDS COMMITTEE	REVISION 1
PROCUREMENT SPECIFICATION NASM6812	TITLE BOLT, CLEVIS 1	CLASSIFICATION PART STANDARD NASM21 THRU NASM37 SHEET 1 OF 4

CODE:

ADD "A" AFTER DASH NUMBER FOR BOLT WITHOUT COTTER PIN HOLE.

EXAMPLES OF PART NUMBERS:

AN21-14 = NO. 6 BOLT, 29/32 INCH LONG, WITH COTTER PIN HOLE.

AN21-14A = NO. 6 BOLT, 29/32 INCH LONG, WITHOUT COTTER PIN HOLE.

NOTES:

- (1) DIMENSIONS IN INCHES AND APPLY AFTER FINISH UNLESS OTHERWISE SPECIFIED.
- (2) REMOVE ALL BURRS AND SHARP EDGES.
- (3) LENGTHS LONGER THAN THOSE TABULATED ON SHEETS 3 AND 4 ARE AVAILABLE IN 1/8 INCH INCREMENTS BY USE OF SIGNIFICANT DASH NUMBERS.
- (4) THIS STANDARD TAKES PRECEDENCE OVER DOCUMENTS REFERENCED HEREIN.
- (5) 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.
- /6/ COTTER PIN HOLE CENTERLINE SHALL BE WITHIN .010 INCHES OF BOLT CENTER LINE FOR Ø5/16 BOLTS AND SMALLER, AND WITHIN .015 INCHES FOR Ø3/8 BOLTS AND LARGER. COTTER PIN HOLE TO BE NORMAL TO BOLT CENTERLINE WITHIN 2°.
- /7/ RATED TENSILE STRENGTHS APPLICABLE ONLY WHEN SHEAR NUT AN320 OR THIN NUT AN364 IS USED.
- /8/ GRIP LENGTH OF BOLTS SHALL BE MEASURED FROM THE UNDERSIDE OF THE HEAD TO THE END OF THE FULL CYLINDRICAL PORTION OF THE SHANK.
- /9/ 1-14 NF-3 THREAD PITCH INACTIVE FOR DESIGN AFTER 15 JUNE 1966. FOR DESCRIPTION OF STATUS NOTES, SEE NAS380.
- (10) POSITION OF SLOT IN HEAD RELATIVE TO COTTER PIN HOLE OPTIONAL.
- (11) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS ±.010, FRACTIONS ±1/64, ANGLES ±5°.
- (12) UNLESS OTHERWISE SPECIFIED, PART INVENTORY MANUFACTURED TO PREVIOUS REVISIONS OF THE APPLICABLE DRAWING OR SPECIFICATION MAY BE PROCURED AND USED UNTIL STOCK IS DEPLETED.
- (13) DIMENSIONING AND TOLERANCING PER ANSI Y14.5M-1982.
- (14) COUNTERSINKING OF DRILLED HOLES IS OPTIONAL.

AEROSPACE INDUSTRIES ASSOCIATION OF AMERICA, INC.
1000 WILSON BLVD.
ARLINGTON, VA 22209

THIS DRAWING SUPERSEDES ALL ANTECEDENT STANDARD DRAWINGS FOR THE SAME
PRODUCT AND SHALL BECOME EFFECTIVE NO LATER THAN SIX MONTHS FROM THE LAST
REVISION DATE.

FORM 09-01

① COMPLETELY REVISED

REVISION
1
NASM21 THRU NASM37 SHEET 2



Documents

Document Sharing Hub