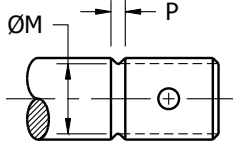


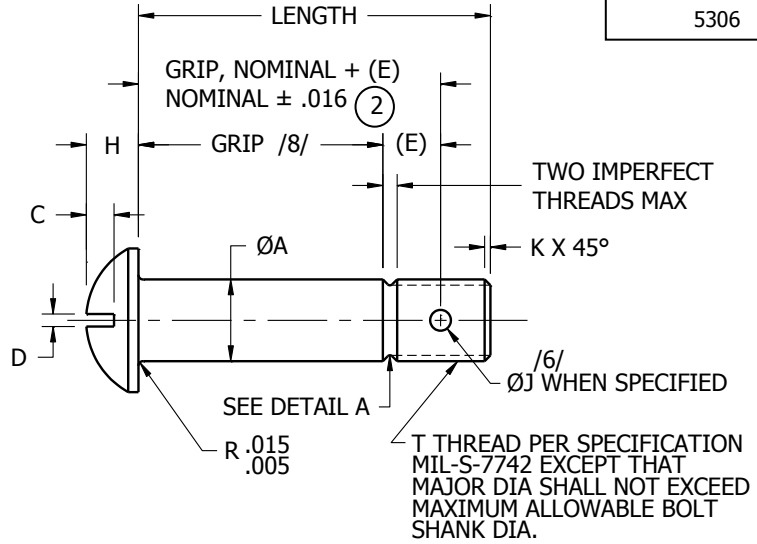
FED. SUPPLY CLASS

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



② 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	.1380-40 UNF-3A	.136	.313	.047	.031	.156	.078	.038	.031	.100	.031	1,060	510
AN22	.1640-36 UNF-3A	.162	.375	.063	.047	.156	.094	.070	.031	.120	.031	1,500	760
AN23	.1900-32 UNF-3A	.186	.375	.063	.047	.188	.094	.070	.031	.141	.047	2,125	1,105
AN24	.2500-28 UNF-3A	.248	.500	.094	.063	.188	.125	.076	.031	.196	.047	3,680	2,040
AN25	.3125-24 UNF-3A	.311	.625	.109	.078	.188	.156	.076	.047	.250	.063	5,750	3,250
AN26	.3750-24 UNF-3A	.373	.688	.141	.094	.219	.188	.106	.047	.313	.063	8,280	5,050
AN27	.4375-20 UNF-3A	.436	.813	.156	.094	.219	.219	.106	.047	.360	.063	11,250	6,800
AN28	.5000-20 UNF-3A	.497	.875	.172	.109	.250	.250	.106	.047	.422	.063	14,700	9,250
AN29	.5625-18 UNF-3A	.560	1.000	.188	.109	.313	.281	.141	.062	.482	.078	18,700	11,800
AN30	.6250-18 UNF-3A	.622	1.125	.188	.125	.313	.313	.141	.062	.545	.078	23,000	15,050
AN32	.7500-16 UNF-3A	.747	1.313	.203	.141	.375	.375	.141	.062	.660	.094	33,150	22,000
AN34	.8750-14 UNF-3A	.871	1.500	.219	.156	.438	.438	.141	.078	.773	.094	45,050	30,000
AN36	1.0000-14 NF-3A	.996	1.750	.234	.172	.500	.500	.141	.078	.898	.094	58,900	40,350
AN37	1.0000-12 UNF-3A	.996	1.750	.938	.172	.500	.500	.141	.078	.898	.094	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.

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



PROCUREMENT
SPECIFICATION

NASM6812

CUSTODIAN

NATIONAL AEROSPACE STANDARDS COMMITTEE

TITLE

BOLT, CLEVIS

REVISION

2

CLASSIFICATION
PART STANDARD

**NASM21 THRU
NAS1487**

SHEET 1 OF 4



Documents
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CODE:

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

EXAMPLES OF PART NUMBERS:

- ② AN21-14 = NO. 6 BOLT, .906 INCH LONG, WITH COTTER PIN HOLE.
AN21-14A = NO. 6 BOLT, .906 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.
- ② (3) LENGTHS LONGER THAN THOSE TABULATED ON SHEETS 3 AND 4 ARE AVAILABLE IN .125 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.
- ② /6/ COTTER PIN HOLE CENTERLINE SHALL BE WITHIN .010 INCHES OF BOLT CENTER LINE FOR Ø.313 BOLTS AND SMALLER, AND WITHIN .015 INCHES FOR Ø.375 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.
- ② /9/ 1.000-14 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.
- ② (11) TOLERANCES UNLESS OTHERWISE SPECIFIED: DECIMALS ±.016, 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.

②

REVISION

2

NASM21 THRU
NASM37
SHEET 2



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