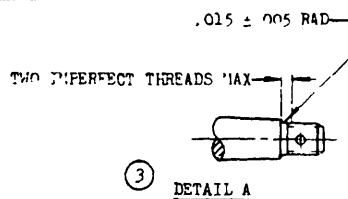


NAVAIR 1080A (Rev. 8-31)



DETAIL A  
ALTERNATE CONSTRUCTION

TAPER .500 IN. PER FT EXCEPT  
NO. 10 AND NO. 10A .516 IN.  
PER FT. TOLERANCE ON TAPER  
±.001 FOR LENGTH L

.015 ± .005 RAD  
BOTH CORNERS

DRILL E

THREAD T, NF-3  
SPEC MIL-S-7742

F SPHERICAL  
RAD BOTH ENDS

SEE DETAIL A

GRIP

ROUND END OPTIONAL

FIRST DASH NO.	1	2	3	4	5	6	7	8	9	10	10A
THREAD T	10-32	10-32	1/4-28	5/16-24	3/8-24	7/16-20	1/2-20	9/16-18	3/4-16	7/8-14	7/8-14
A	7/16	7/16	29/64	33/64	35/64	35/64	19/32	21/32	47/64	51/64	51/64
C ±.005	.141	.141	.196	.250	.313	.360	.422	.482	.660	.773	.773
D ±.002	.205	.255	.317	.355	.455	.505	.605	.755	.905	1.050	1.153
E +.010 -.000	NO. 50 (.070)	NO. 50 (.070)	NO. 48 (.076)	NO. 48 (.076)	NO. 36 (.106)	NO. 36 (.106)	NO. 36 (.106)	NO. 28 (.141)	NO. 28 (.141)	NO. 28 (.141)	NO. 28 (.141)
F	1/2	1/2	1/2	1/2	1/2	3/4	3/4	1	1	1-1/4	1-1/4
G	5/16	5/16	21/64	21/64	23/64	23/64	13/32	15/32	35/64	39/64	39/64
P	3/64	3/64	3/64	1/16	1/16	1/16	1/16	5/64	3/32	3/32	3/32

## ENGINEERING INFORMATION

NUT	AN320-3	AN320-3	AN320-4	AN320-5	AN320-6	AN320-7	AN320-8	AN320-9	AN320-12	AN320-14	AN320-14
(a) WASHER	AN975-3	AN975-3	AN975-4	AN975-5	AN975-6	AN975-7	AN975-8	AN975-9	AN975-12	AN975-14	AN975-14
COTTER	AN380-2-2	AN380-2-2	AN380-2-2	AN380-2-2	AN380-3-3	AN380-3-3	AN380-3-3	AN380-4-4	AN380-4-5	AN380-4-5	AN380-4-5
SELF LOCK NUT	AN364 -1032	AN364 -1032	AN364 -428	AN364 -524	AN364 -624	AN364 -720	AN364 -820	AN364 -918	AN364 -1216	AN364 -1414	AN364 -1414

1 ST DASH NUMBER	2 ND DASH NUMBER	GRIP	1	2	3	4	5	6	7	8	9	10	10A
C.P. HOLE NO HOLE			L = GRIP +1/8			L = GRIP +3/16			L = GRIP +1/4				
6	6A	3/4											
7	7A	7/8											
8	8A	1											
9	9A	1-1/8											
10	10A	1-1/4											
11	11A	1-3/8											
12	12A	1-1/2											
13	13A	1-5/8											
14	14A	1-3/4											
15	15A	1-7/8											
16	16A	2											
17	17A	2-1/8											
18	18A	2-1/4											
19	19A	2-3/8											
20	20A	2-1/2											
21	21A	2-5/8											
22	22A	2-3/4											
23	23A	2-7/8											
24	24A	3											
25	25A	3-1/8											
26	26A	3-1/4											
27	27A	3-3/8											
28	28A	3-1/2											
29	29A	3-5/8											
30	30A	3-3/4											
31	31A	3-7/8											
32	32A	4											
34	34A	4-1/4											
36	36A	4-1/2											
38	38A	4-3/4											
40	40A	5											
42	42A	5-1/4											
44	44A	5-1/2											
46	46A	5-3/4											
48	48A	6											

DO NOT SPECIFY PINS LONGER THAN THOSE  
LISTED BETWEEN HEAVY LINES. LISTINGS  
COVER FULL RANGE OBTAINABLE FROM STANDARD  
B & S TAPER REAMERS THE NUMBERS OF WHICH  
ARE INDICATED BY THE FIRST DASH NUMBER.  
NO. 10A REQUIRES NO. 10 REAMER.

(a) WASHER USED WITH BOTH TYPES OF NUTS.

MATERIAL STEEL, SPEC AN-S-9, AN-QQ-S-689, MIL-S-6049, MIL-S-6050, MIL-S-6098, OR MIL-S-6758, TENSILE STRENGTH  
125,000 TO 145,000 PSI.

FINISH CADMIUM PLATE, SPEC QQ-P-416, TYPE I, CLASS C.

EXAMPLE OF PART NUMBER AN386-1-8 = PIN NO. 1 TAPER 8/8 OR 1 IN. GRIP WITH COTTER PIN HOLE.

AN386-1-8A = PIN NO. 1 TAPER 8/8 OR 1 IN. GRIP WITHOUT COTTER PIN HOLE.

THE FOLLOWING INSTRUCTION SHALL BE PLACED ON DRAWINGS IMMEDIATELY FOLLOWING THE PIN NUMBER: "SMALL END OF TAPERED  
SHANK SHALL NOT EXTEND MORE THAN 1/16 IN. ABOVE SURFACE OF WORK."

TAPERED SURFACE SHALL BE SMOOTH AND FREE FROM TOOL MARKS.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS ±1/64.

PROCUREMENT  
SPECIFICATION

NONE

AIR FORCE-NAVY AERONAUTICAL STANDARD

PIN - THREADED TAPER

AN386

NOTICE: When Government drawings, specifications, or other data are used for any purpose other than in connection with the procurement of supplies or services, the Government assumes no responsibility for any claims or damages resulting from the use of such data. It is the responsibility of the user to obtain the necessary permissions from the appropriate authorities.

NOTE: This drawing was approved by joint action of the Air Force and Navy Departments as the Air Force-Navy standard for this product. This drawing supersedes all antecedent standard drawings for the same product and shall become effective for the procurement of aeronautical supplies or for use in new design, not later than 6 months after the latest date of approval shown.

APPROVED 1 Dec 43 REVISED 1 29 Mar 44 2 11 Jul 45 3 23 Feb 54

NOTICE  
OF VALIDATION

INCH-POUND

AN386 Rev 3  
NOTICE 1  
10 June 1994

MILITARY SPECIFICATION

PIN & THREADED TAPER

AN386 Rev 3 dated 23-FEB-54 has been reviewed and determined to be valid for use in acquisition.

Custodians:

Air Force - 99  
Army - AV  
Navy - AS

Preparing activity:  
DLA-IS

AMSC N/A

FSC 5315

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