

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.

REVIEWER ACTIVITIES:

USER ACTIVITIES:

DD FORM 672-1 (COORDINATED)

REPLACES DD FORM 1, 1 OCT 54, WHICH HAS OBSOLETE

PROJECT 4730-F453

AIR FORCE - 82 Other Cast AIR FORCE - 89 INTERNATIONAL INTEREST	TITLE CAP ASSEMBLY, PRESSURE SEAL FLARED TUBE FITTING
	MILITARY STANDARD AN929
PROCUREMENT SPECIFICATION MIL-P-3505 SUPERSEDES: AN 820	SHEET 1 OF 2

(II) DENOTES CHANGES

CHAMFER .010 x 45° ± 5°

METHOD OF PREVENTING MOVABLE CAP FROM FALLING OUT, OPTIONAL WITH MANUFACTURER UPON APPROVAL BY THE PROCURING ACTIVITY

AN818 NUT
CAP
CAP ASSEMBLY

DRILL NO. 45 (.082) HOLE THROUGH, HOLE TO BE APPROX CENTERED BETWEEN END OF NUT AND END OF CAP

DETAIL FOR DRILLING AN929A2 AND AN929A3

DRILL NO. 45 (.082)

DETAIL FOR DRILLING AN929A4 AND LARGER

CAP DRILLED FOR ATTACHING SAFETY CHAIN CAP ASSEMBLY

THIS SURFACE SHALL BE SMOOTH AND CONCENTRIC WITH B DIA WITHIN .005 FIR

DASH NO.	TUBING OD	B +.000 -.003 DIA	C DIA	D	E	F DIA	G +.000 -.005 DIA	H	R RAD
(II) 2	1/8	.263	5/32	5/32	1/8	3/32	.218	17/32	.005
3	3/16	.325	7/32	7/32		5/32	.250		
4	1/4	.378	9/32	13/64		11/64	.300		
5	5/16	.441	11/32	7/32	9/64	15/64	.360	9/16	.010
6	3/8	.503	27/64	17/64	5/32	19/64	.440	5/8	
8	1/2	.683	35/64	5/16	11/64	25/64	.575	3/4	
10	5/8	.799	43/64	9/32	1/4	7/16	.685	7/8	.015
12	3/4	.974	13/16			9/16	.885		
16	1	1.224	1-1/16			19/64	5/16		
20	1-1/4	1.536	1-21/64	3/8	3/8	1-5/64	1.413	1	.015
24	1-1/2	1.786	1-19/32	13/32		1-5/16	1.661	1-1/8	
28	1-3/4	2.161	1-7/8	1/2		1-35/64	2.034	1-3/8	
32	2	2.411	2-9/64	37/64	1/2	1-25/32	2.284	1-7/16	.015
40	2-1/2	2.911	2-41/64	5/8	11/16	2	2.784	1-3/4	
48	3	3.411	3-5/32	11/16		2-1/2	3.284	1-13/16	

APPROVED 7 NOV 44 REVISED (10) 21 MAR 79 (II) 23 MAR 83

FED. SUP. CLASS
4730

① AN929 AND AN929A ASSEMBLIES WHICH CONSIST OF A CAP AND AN "AN818" NUT, SHALL BE FASTENED TOGETHER FOR SHIPPING OR STOCK PURPOSES IN A MANNER ACCEPTABLE TO THE PROCURING ACTIVITY.

MATERIAL OF CAP: ALUMINUM ALLOY; CORROSION RESISTANT STEEL (CRES); TITANIUM ALLOY; BARS, SHAPES, OR FORGINGS.
SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

NO CODE LETTER AFTER DASH NUMBER DENOTES ASSEMBLY OF ALUMINUM ALLOY CAP (EXCEPT 7075-T73) AND ALUMINUM ALLOY NUT (EXCEPT 7075-T73), AN 818-D.

ADD J AFTER DASH NUMBER FOR ASSEMBLY OF CRES CAP (TYPE 304) AND CRES NUT, AN818 (TYPE 304 OR 316).

ADD K AFTER DASH NUMBER FOR ASSEMBLY OF CRES CAP (TYPE 316) AND CRES NUT, AN818 (TYPE 304 OR 316).

ADD S AFTER DASH NUMBER FOR ASSEMBLY OF CRES CAP (TYPE 347) AND CRES NUT, AN818 (TYPE 304 OR 316). CAPS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 10 FEBRUARY 1967.

ADD T AFTER DASH NUMBER FOR ASSEMBLY OF TITANIUM ALLOY CAP AND NUT, AN818-T.

ADD W AFTER DASH NUMBER FOR ASSEMBLY OF 7075-T73 ALUMINUM ALLOY CAP AND NUT, AN818-W.

ADD A IN PLACE OF DASH FOR ASSEMBLY WITH CAP DRILLED FOR ATTACHMENT OF SAFETY CHAIN.

TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

② ADD L BEFORE DASH NUMBER FOR INCLUSION OF LOCKWIRE HOLES IN AN818 NUT.

EXAMPLE OF PART NUMBERS:

AN929-8 - CAP ASSEMBLY, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).

AN929-8J - CAP ASSEMBLY, 1/2 TUBING, CRES CAP (TYPE 304) AND CRES NUT, AN818-J OR -K.

AN929-8K - CAP ASSEMBLY, 1/2 TUBING, CRES CAP (TYPE 316) AND AN818-J OR -K NUT.

AN929A8S - CAP ASSEMBLY, 1/2 TUBING, CRES CAP (TYPE 347), DRILLED FOR ATTACHMENT OF SAFETY CHAIN, AND AN818-J OR -K NUT.

AN929-8T - CAP ASSEMBLY, 1/2 TUBING, TITANIUM ALLOY CAP AND AN818-T NUT.

AN929-8W - CAP ASSEMBLY, 1/2 TUBING, 7075-T73 ALUMINUM ALLOY.

② AN929-L4J - CAP ASSEMBLY, 1/4 INCH TUBING, CRES CAP (TYPE 304) AND CRES NUT AN818-L4J (DRILLED FOR LOCKWIRE).

FOR DESIGN FEATURE PURPOSES, THIS STANDARD TAKES PRECEDENCE OVER PROCUREMENT DOCUMENTS REFERENCED HEREIN.

REFERENCED DOCUMENTS SHALL BE OF THE ISSUE IN EFFECT ON DATE OF INVITATIONS FOR BID.

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APPROVED 7 NOV 44 REVISED ⑩ 21 MAR 78 ① 23 MAR 83

P. A. Air Force - 82 Other Cost	INTERNATIONAL INTEREST	TITLE CAP ASSEMBLY, PRESSURE SEAL FLARED TUBE FITTING	MILITARY STANDARD
			AN929
AIR FORCE - 99	PROCUREMENT SPECIFICATION MIL-F-5509	SUPERSEDES: AN820	SHEET 2 OF 2