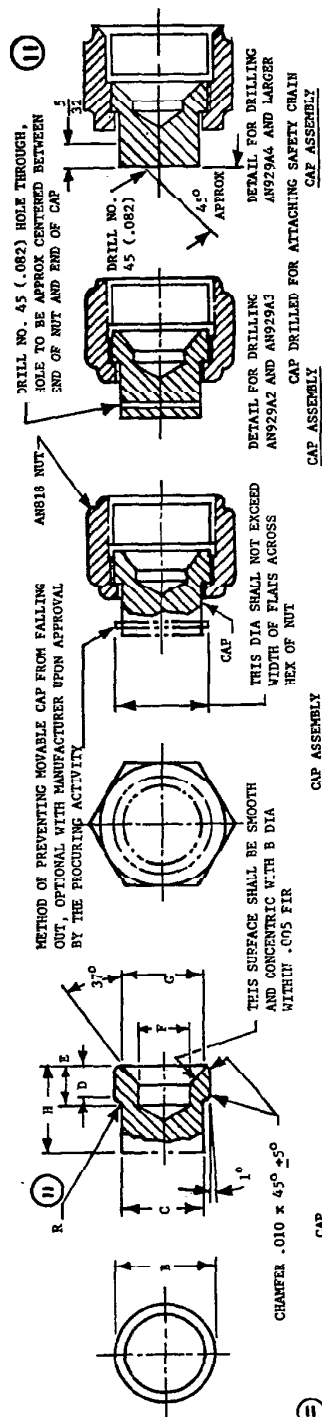


**USER ACTIVITIES:**

**REVIEWER ACTIVITIES:**

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.



DASH NO.	TUBING OD	B + .000 - .003 DIA	C	D	E	F DIA	G + .000 - .005 DIA	H	R RAD
2	1 1/8	.263	5/32	5/32		3/32	.218		
3	3/16	.325	7/32	7/32	1/8	5/32	.250	17/32	
4	1/4	.378	9/32	13/64		11/64	.300		
5	5/16	.441	11/12	7/32	9/64	13/64	.360	9/16	
6	3/8	.503	27/64	17/64	5/32	19/64	.440	5/8	
8	1/2	.683	35/64	3/16	11/64	25/64	.575		
10	5/8	.799	43/34		1/4	7/16	.585	3/4	
12	3/4	.974	13/6	9/32		9/16	.885		.010
16	1	1.224	1-1/16	19/64	5/16	13/16	1.103	7/8	
20	1-1/8	1.536	1-21/64	3/8		1-5/64	1.413	1	
24	1-1/2	1.786	1-37/32	13/32		1-57/16	1.661	1-3/8	
28	1-5/8	2.161	1-7/8	1/2	3/8	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		2	2.784	1-3/4	
48	3	3.411	3-5/32	11/16	11/16	2-1/2	3.284	1-13/16	

**(11) DENOTES CHANGES**

**P. A.**  
**Air Force - 82**  
**Other Cust**

**AIR FORCE - 89**

### INTERNATIONAL INTEREST

**TITLE**

**CAP ASSEMBLY, PRESSURE SEAL  
FLARED TUBE FITTING**

**MILITARY STANDARD**

**AN929**

PROCUREMENT SPECIFICATION  
HIL-F-5509

**SUPERSEDES:** AN 820

SHEET 1 OF 2

DD FORM 672-1 (COORDINATED)  
1 MAY 73

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE

PROJECT 4730-F453

APPROVED 7 NOV 44 REVISED 10 21 MAR 79 11 23 MAR 93

USER ACTIVITIES:

REVIEWER ACTIVITIES:

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 FED. SUP CLASS  
 4730

- ⑪ 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.
- ⑫ 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.
- ⑫ 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.

 APPROVED 7 NOV 44  
 REVISED ⑩ 21 MAR 79 ⑫ 23 MAR 83

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

DD FORM 672-1 (COORDINATED)  
1 MAY 73

PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE