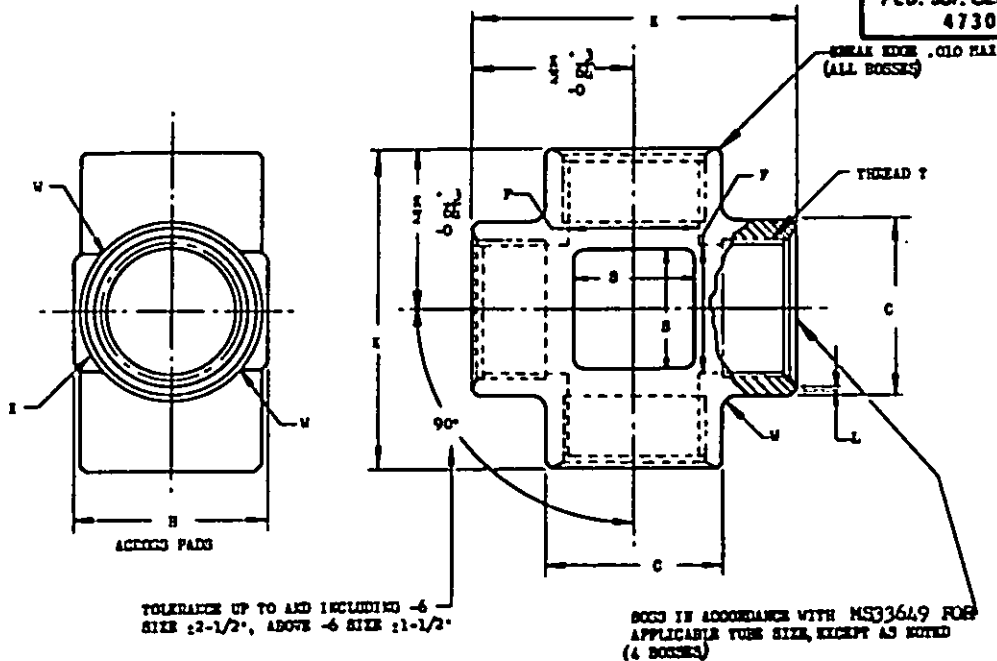


User activities: Army - MS,AV  
Navy - AS  
Air Force - 99

Review activities: Army - MS,AV  
Navy - AS  
Air Force - 99  
DIA-CS

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 when applicable.



SQUARENESS BETWEEN THREAD T AND FACE OF BOSS SHALL CONFORM TO MS33649 AS SPECIFIED.  
MATERIAL: STEEL, ALUMINUM ALLOY; SHAPES OR FORGINGS.

CORROSION RESISTANT STEEL (CRES), TITANIUM ALLOY; BARS, SHAPES, OR FORGINGS.  
SEE PROCUREMENT SPECIFICATION.

FINISH: SEE PROCUREMENT SPECIFICATION.

NO CODE LETTER IN PART NUMBER FOR STEEL.

⑥ ADD D IN PLACE OF DASH FOR ALUMINUM ALLOY (EXCEPT 7075-T73).

ADD C IN PLACE OF DASH FOR CRES, TYPE 302, 303, 304, 316, AND 321.

ADD J IN PLACE OF DASH FOR CRES, TYPE 304.

ADD K IN PLACE OF DASH FOR CRES, TYPE 316.

ADD S IN PLACE OF DASH FOR CRES, TYPE 304 AND 316. PARTS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 10 FEBRUARY 1967.

ADD T IN PLACE OF DASH FOR TITANIUM ALLOY. TITANIUM IS NOT RECOMMENDED FOR USE IN OXYGEN SYSTEMS.

⑥ ADD W IN PLACE OF DASH FOR 7075-T73 ALUMINUM ALLOY.

⑥ ITEMS CODED C ON PREVIOUS ISSUES OF THIS STANDARD ARE NO LONGER TO BE FURNISHED. PROCURING ACTIVITIES MUST SPECIFY APPLICABLE CRES MATERIAL CODE AS PART OF THE STANDARD PART NUMBER.

EXAMPLE OF PART NUMBERS:

AN937-8 - CROSS, 1/2 TUBING, STEEL.

⑥ AN937D8 - CROSS, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).

AN937C8 - CROSS, 1/2 TUBING, CRES, TYPE 302, 303, 304, 316, OR 321.

AN937J8 - CROSS, 1/2 TUBING, CRES, TYPE 304.

AN937K8 - CROSS, 1/2 TUBING, CRES, TYPE 316.

AN937S8 - CROSS, 1/2 TUBING, CRES, TYPE 316.

AN937T8 - CROSS, 1/2 TUBING, TITANIUM ALLOY.

⑥ AN937W8 - CROSS, 1/2 TUBING, 7075-T73 ALUMINUM ALLOY.

BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS.

DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: FRACTIONS  $\pm 1/64$ .

ALUMINUM ALLOY FITTINGS, SIZES -10 THROUGH -20 SHALL NOT BE USED AT WORKING PRESSURES ABOVE 1500 PSI. SEE AND10064 FOR INSTALLATION DETAILS.

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.

⑥ denotes changes

P.A. Air Force-99 Other Cust	International Interest	AIR FORCE-NAVY AERONAUTICAL STANDARD	AN937
		CROSS, TUBE, INTERNAL THREAD	
Procurement Specification MIL-F-5509		SUPERSEDES: AN925	PAGE 1 OF 2

DD FORM 672-1 (Coordinated) PREVIOUS EDITIONS OF THIS FORM ARE OBSOLETE.

4730-0982

REVISED ① 6 FEB 51 ② 1 JUN 53 ③ 1 JUN 54 ④ 10 FEB 67 ⑤ 16 JUN 78 ⑥ 21 MAR 79  
APPROVED 27 JAN 50

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 when applicable.

Review activities: Army - ME, AV  
Navy - AS  
Air Force - 99  
DIA-CS

User activities: Army - ME, AV  
Navy - AS  
Air Force - 99

FED. SUP. CLASS  
4730

DASH NO.	TUBING OD	THREAD T (REF)	C DIA	F +.000 -.015 DIA	H	K +3/32 -0	L MIN LAND	S APPROX	W MIN RAD	X MIN RAD	WEIGHT MAX (LBS.)		
											STEEL	ALLOY	TI ALLOY
4	1/4	7/16-20UNF-3B	11/16	.397	3/4	1-1/2	.040	1/2	3/32	1/16			
5	5/16	1/2-20UNF-3B	3/4	.459	13/16	1-5/8		9/16					
6	3/8	9/16-18UNF-3B	13/16	.516	1-1/16	2	.071	11/16					
8	1/2	3/4-16UNF-3B	1-1/16	.697	1-3/16	2-5/16		13/16					
10	5/8	7/8-14UNF-3B	1-3/16	.815	1-7/16	2-3/32		15/16	1/8	3/32			
12	3/4	1-1/16-12UNF-3B	1-7/16	.991	1-11/16	3-1/16	.077	1-1/8					
16	1	1-5/16-12UNC-3B	1-11/16	1.241	2	3-15/32		1-3/8		1/8			
20	1-1/4	1-5/8-12UNC-3B	2	1.553									

P.A.  
Air Force-99  
Other Cust

International  
Interest

AIR FORCE-NAVY AERONAUTICAL STANDARD

CROSS, TUBE, INTERNAL THREAD

AN-937

Procurement Specification  
MIL-P-5509

SUPERSEDES:  
AN925

PAGE 2 OF 2

APPROVED 27 JAN 50

REVISED 6 For changes see page 1.

21 MAR 79