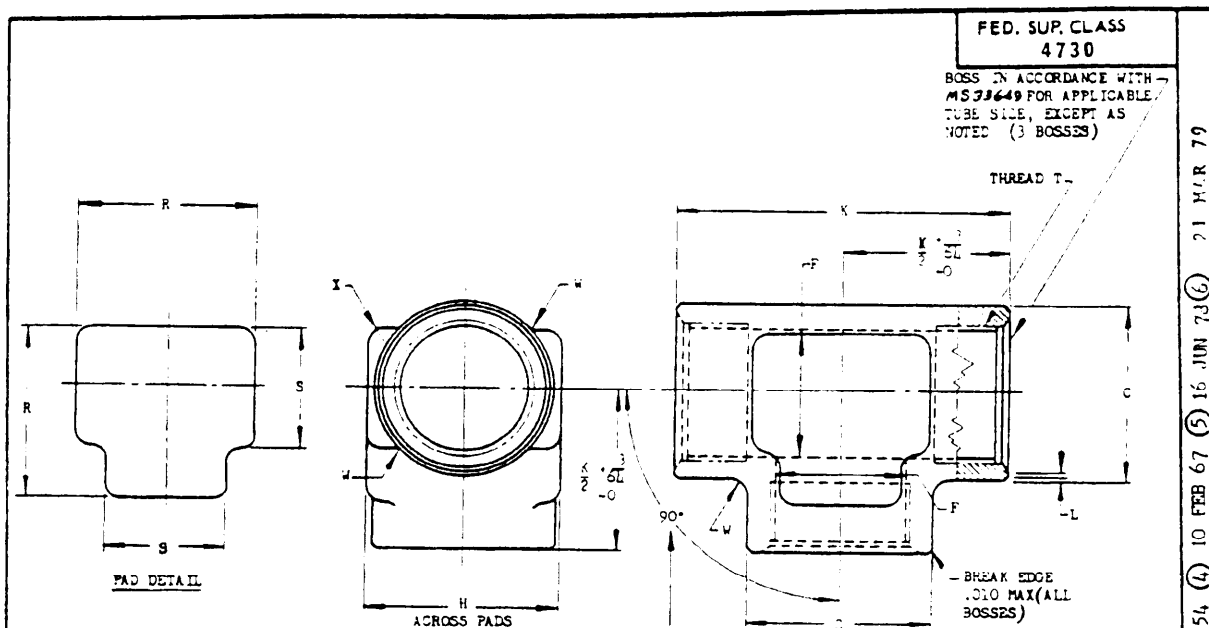


User activities
Army - ME, AV
Navy - AS
Air Force - 99

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

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FED. SUP. CLASS
4730

BOSS IN ACCORDANCE WITH
MS33649 FOR APPLICABLE
TUBE SIZE, EXCEPT AS
NOTED (3 BOSSSES)

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.

⑥ 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:

AN938-8 - TEE, 1/2 TUBING, STEEL.

⑥ AN938D8 - TEE, 1/2 TUBING, ALUMINUM ALLOY (EXCEPT 7075-T73).

AN938C8 - TEE, 1/2 TUBING, CRES, TYPE 302, 303, 304, 316, OR 321.

AN938J8 - TEE, 1/2 TUBING, CRES, TYPE 304.

AN939K8 - TEE, 1/2 TUBING, CRES, TYPE 316.

AN938S8 - TEE, 1/2 TUBING, CRES, TYPE 316.

AN938T8 - TEE, 1/2 TUBING, TITANIUM ALLOY.

⑥ AN938W8 - TEE, 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

TEE, TUBE, INTERNAL THREAD

AN938

Procurement Specification
MIL-F-5509

SUPERSEDES:
AN926

PAGE 1 OF 2

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

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

P.A. Air Force-99 Other Cust		International Interest	AIR FORCE - NAVY AERONAUTICAL STANDARD		AN 938	
Procurement Specification MIL-R-5509		SUPERSEDES: AN926				
TEE, TUBE, INTERNAL THREAD		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	R APPROX	S APPROX	W MIN RAD	X MTH RAD	WEIGHT MAX (LBS.)			
												STEEL	ALLOY	CRES	ALLOY
4	1/4	7/16-20UNF-3B	11/16	.397	3/4	1-1/2	.040	3/4	1/2	3/32	1/16				
5	5/16	1/2-20UNF-3B	3/4	.459	13/16	1-5/8		7/8	9/16						
6	3/8	9/16-18UNF-3B	13/16	.516	1-1/16	2	.071	1-1/16	11/16						
8	1/2	3/4-16UNF-3B	1-1/16	.697	1-3/16	2-5/16		1-3/16	3/4						
10	5/8	7/8-14UNF-3B	1-3/16	.815	1-7/16	2-23/32	.077	1-5/8	1-1/8	1/8	3/32				
12	3/4	1-1/16-12UNJ-3B	1-7/16	.991	1-11/16	3-1/16		2	1-5/16						
16	1	1-5/16-12UNJ-3B	1-11/16	1.241	2	3-15/32									
20	1-1/4	1-5/8-12UNJ-3B	2	1.553											

APPROVED 27 JUN 50

REVISED For changes see page 1.

21 MAR 79