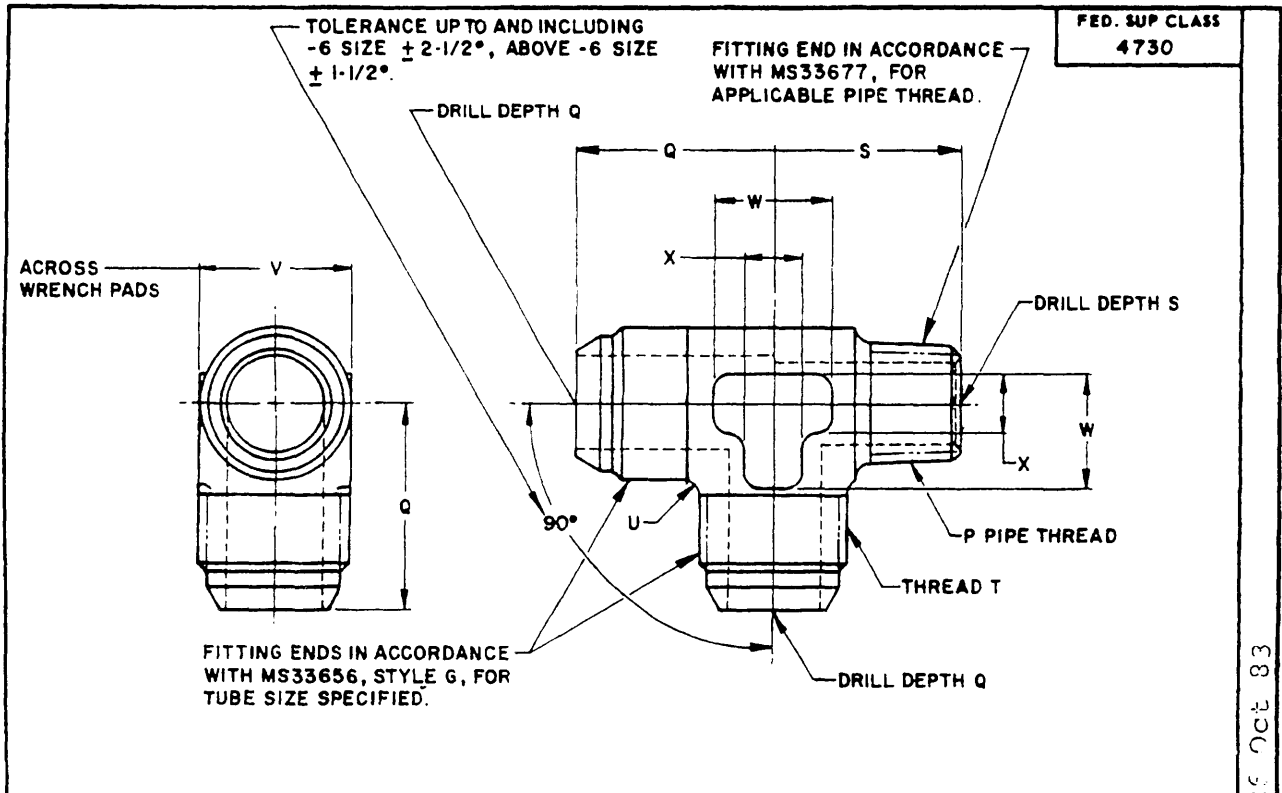


User activities: ARMY - ME
NAVY - MC

Review activities: ARMY - AV
DLA - CS

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MATERIAL: STEEL; ALUMINUM ALLOY; COPPER ALLOY; CORROSION RESISTANT STEEL (CRES);
BARS, SHAPES, OR FORGINGS (SEE PROCUREMENT SPECIFICATION).
FINISH: SEE PROCUREMENT SPECIFICATION.
BREAK ALL SHARP EDGES AND REMOVE ALL HANGING BURRS AND SLIVERS.
DIMENSIONS IN INCHES. UNLESS OTHERWISE SPECIFIED, TOLERANCE: DECIMALS $\pm .015$.
AT OPTION OF MANUFACTURER THE SMALLER DIA MAY BE DRILLED THROUGH THE FITTING FROM PORT TO PORT.
NO CODE LETTER IN PART NUMBER FOR CARBON STEEL. ADD B AFTER DASH NO. FOR COPPER ALLOY.
ADD U AFTER DASH NO. FOR ALUMINUM ALLOY. (EXCEPT 7075-173)
ADD J AFTER DASH NO. FOR CRES, CLASS 304.
ADD K AFTER DASH NO. FOR CRES, CLASS 316.
ADD S AFTER DASH NO. FOR CRES, CLASS 347.
ADD V AFTER DASH NO. FOR 7075-173 ALUMINUM ALLOY.
EXAMPLE OF PART NUMBERS: MS20826-4 - TEE, 1/4 TUBING OD AND 1/8 PIPE THREAD, CARBON STEEL.
MS20826-4B - TEE, 1/4 TUBING OD AND 1/8 PIPE THREAD, COPPER ALLOY.
MS20826-4U - TEE, 1/4 TUBING OD AND 1/8 PIPE THREAD, ALUMINUM ALLOY. (EXCEPT 7075-173)
MS20826-8U - TEE, 1/2 TUBING OD AND 3/8 PIPE THREAD, CRES, CLASS 304.
MS20826-8K - TEE, 1/2 TUBING OD AND 3/8 PIPE THREAD, CRES, CLASS 316.
MS20826-8S - TEE, 1/2 TUBING OD AND 3/8 PIPE THREAD, CRES, CLASS 347.
MS20826-8V - TEE, 1/2 x 3/8, 7075-173 ALUMINUM ALLOY.

CERTAIN PROVISIONS OF THE DESIGN CHARACTERISTICS (SCREW THREADS, HEXAGON SIZES, AND UNDERCUT DIMENSIONS) OF THIS STANDARD ARE THE SUBJECT OF INTERNATIONAL STANDARDIZATION AGREEMENT ABC AIR STD 17/15. WHEN REVISION OR CANCELLATION OF THIS STANDARD IS PROPOSED, THE DEPARTMENTAL CUSTODIANS WILL INFORM THEIR RESPECTIVE DEPARTMENTAL STANDARDIZATION OFFICES SO THAT APPROPRIATE ACTION WILL BE TAKEN RESPECTING THE INTERNATIONAL AGREEMENT CONCERNED.
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.
INACTIVE FOR DESIGN AFTER 9 JAN 64, EXCEPT FOR USE ON OXYGEN SYSTEMS AND GROUND SERVICE EQUIPMENT.
SEE MIL-STD-962 FOR STATUS CRITERIA.

APPROVED 24 MAY 61 REVISED (A) 9 JAN 64 (B) 16 JUN 1978 (C) 21 MAR 79 (D) 25 OCT 83

P.A. AIR FORCE - 82 (D) Other Cust	TITLE TEE, PIPE TO TUBE, PIPE THREAD ON RUN	MILITARY STANDARD
NAVY - AS AIR FORCE -		MS 20826
PROCUREMENT SPECIFICATION MIL-F-5509	SUPERSEDES: AN826	SHEET 1 OF 2

User activities: ARMY - HF
NAVY - MC

Review activities: ARMY - AV
DLA - CS

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DASH NO	TUBING OD	PIPE THD END		THREAD T (REF)	Q +.047 -.000	S +.047 .000	U RAD	V	W APPROX	X APPROX	
		THD P ANPT	MS33677 STYLE								
2	1/8	1/8	B	5/16-24UNJF-3A	.734	.688	.062	.312	.312	.188	
3	3/16			3/8 -24UNJF-3A	.797			.375	.375	.250	
4	1/4			A	7/16-20UNJF-3A	.859		.750	.438	.469	.312
5	5/16				1/2 -20UNJF-3A	.922			.500		
6	3/8	1/4	A	9/16-18UNJF-3A	1.031	1.062	.562	.562	.438		
8	1/2	3/8		3/4 -16UNJF-3A	1.219	1.188	.750	.750			
10	5/8	1/2		7/8 -14UNJF-3A	1.422	1.438	.875	.719			
12	3/4	3/4		B	1-1/16-12UNJ -3A	1.625	1.562	1.062		.875	.500
16-12	1		A	1-5/16-12UNJ -3A	1.781	1.688	1.312	1.062	.625		
16	1	1	B			1.938					
20	1-1/4	1-1/4	B	1-5/8 -12UNJ -3A	2.031	2.094	.125	1.625	1.250	.750	
21	1-1/4	1			A			2.297	2.469	1.875	1.438
25	1-1/2	1-1/4	A	1-7/8 -12UNJ -3A	2.297	2.469	.188	2.250	1.625	1.062	
28	1-3/4	1-1/2		2-1/4 -12UNJ -3A	2.781	2.750	.188	2.250	1.625	1.062	
32	2	2	A	2-1/2 -12UNJ -3A	3.031	2.969	.250	2.562	1.875	1.188	

APPROVED 24 MAY 61 REVISED (D) For changes see pages 1 & 2

P.A. AIR FORCE- 82 Other Cust	TITLE	MILITARY STANDARD
NAVY - AS AIR FORCE-99	TEE, PIPE TO TUBE, PIPE THREAD ON RUN	MS 20826
PROCUREMENT SPECIFICATION MIL-F-5509	SUPERSEDES: AN826	SHEET 2 OF 2