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**AS21910**

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ISSUED 1998-03

PREPARED BY COMMITTEE G-3

PROCUREMENT SPECIFICATION MIL-F-18280



**AEROSPACE STANDARD**

TEE, BULKHEAD, FLARELESS TUBE,  
INTERNAL THREAD ON SIDE

**AS21910**  
SHEET 1 OF 3

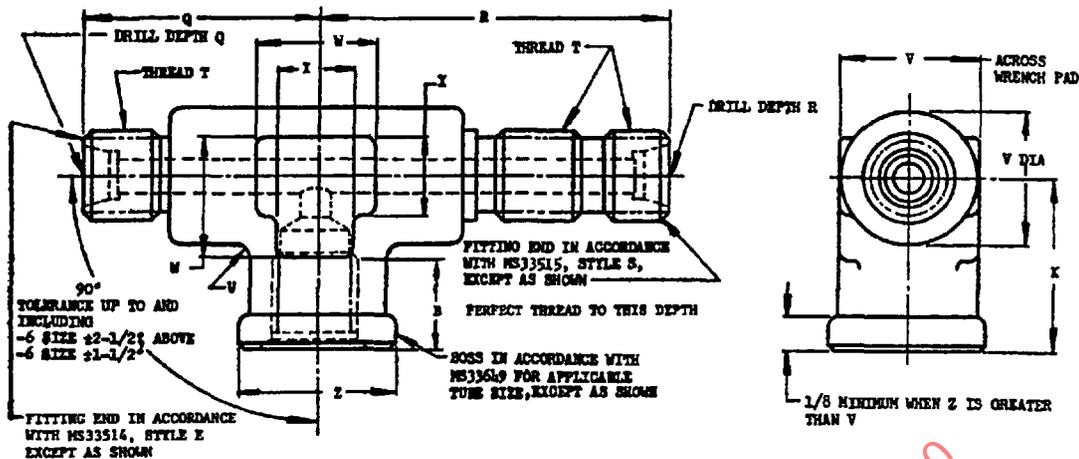
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DASH NO.	TUBE OD	THREAD T MIL-S-8879	B MIN	K +3/64 -0	Q +3/64 -0	R +3/64 -0	U RAD	V	W APPROX	X APPROX	Z DIA	WT STEEL	LB AL ALLOY	MAX TI ALLOY
-2	1/8	.3125-24 UNJF-3A	.375	5/8	27/32	3/8	1/16	1/2	15/32	5/16	9/16	.051	.018	.029
-3	3/16	.3750-24 UNJF-3A	.406	11/16	29/32	1-29/64		9/16	1/2		5/8	.104	.039	.060
-4	1/4	.4375-20 UNJF-3A	.438	3/4	1- 3/32	1-43/64	3/32	3/4	11/16		3/4	.233	.083	.134
-5	5/16	.5000-20 UNJF-3A								7/16		.278	.099	.160
-6	3/8	.5625-18 UNJF-3A	.469	13/16	1- 5/32	1-57/64		7/8	25/32		7/8	.326	.116	.188
-8	1/2	.7500-16 UNJF-3A	.562	1	1-11/32	2- 1/32		1-1/16	29/32	1/2	1- 1/16	.554	.197	.319
-10	5/8	.8750-14 UNJF-3A	.625	1- 5/32	1- 1/2	2- 1/4	1/8				1- 3/16	.579	.206	.334
-12	3/4	1.0625-12 UNJF-3A		1-11/32	1-41/64	2- 7/16		1-5/16	1- 3/32	5/8	1- 7/16	1.012	.360	.583
-16	1	1.3125-12 UNJF-3A	.688	1-17/32	1-27/32	2-21/32		1-5/8	1- 5/16	3/4	1-11/16	1.340	.455	.773
-20	1-1/4	1.6250-12 UNJF-3A		1-23/32	1-63/64	2-51/64		1-7/8	1- 1/2	7/8	2	1.950	.672	1.125

- MATERIAL: CARBON STEEL - FORGINGS  
ALUMINUM ALLOY - FORGINGS  
CORROSION RESISTANT STEEL - FORGINGS  
TITANIUM ALLOY - FORGINGS  
SEE PROCUREMENT SPECIFICATION  
NOTE: PARTS MADE FROM 1137 OR 1141 FORGINGS QUALIFIED TO MIL-F-18280C SHALL NOT BE SUPPLIED AFTER 30 JUNE 1984.
- FINISH: SEE PROCUREMENT SPECIFICATION
- BREAK ALL SHARP EDGES AND REMOVE ALL BURRS AND SLIVERS.
- DIMENSIONS IN INCHES, UNLESS OTHERWISE SPECIFIED, TOLERANCES: FRACTIONS ±1/64.
- PART NUMBERS:  
NO CODE LETTER IN PART NUMBER FOR CARBON STEEL.  
ADD D IN PLACE OF DASH FOR ALUMINUM ALLOY (2014).  
ADD W IN PLACE OF DASH FOR ALUMINUM ALLOY (7075).  
ADD J IN PLACE OF DASH FOR CORROSION RESISTANT STEEL, TYPE 304.  
ADD K IN PLACE OF DASH FOR CORROSION RESISTANT STEEL, TYPE 316.  
ADD S AFTER DASH NUMBER FOR CORROSION RESISTANT STEEL, TYPE 347. PARTS ARE NOT TO BE MANUFACTURED FROM TYPE 304L STEEL AFTER 27 JUNE 1969.  
ADD T AFTER DASH NUMBER FOR TITANIUM ALLOY (6AL-4V).

EXAMPLES OF PART NUMBERS:

- MS21910-8 - TEE, 1/2 TUBING, CARBON STEEL
- MS21910D8 - TEE, 1/2 TUBING, ALUMINUM ALLOY (2014).
- MS21910W8 - TEE, 1/2 TUBING, ALUMINUM ALLOY (7075).
- MS21910J8 - TEE, 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 304.
- MS21910K8 - TEE, 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 316.
- MS21910-8S - TEE, 1/2 TUBING, CORROSION RESISTANT STEEL, TYPE 347.
- MS21910-8T - TEE, 1/2 TUBING, TITANIUM ALLOY (6AL-4V)