

RATIONALE

UPDATE PROCUREMENT SPECIFICATION NOTE TO CURRENT QML VERBIAGE. CENTER BODY DIMENSION NOTE 8. REVISED TO REFER TO AS1376 TABLE 11 IN LIEU OF TABLE 2.

REV.
B

AS4310™

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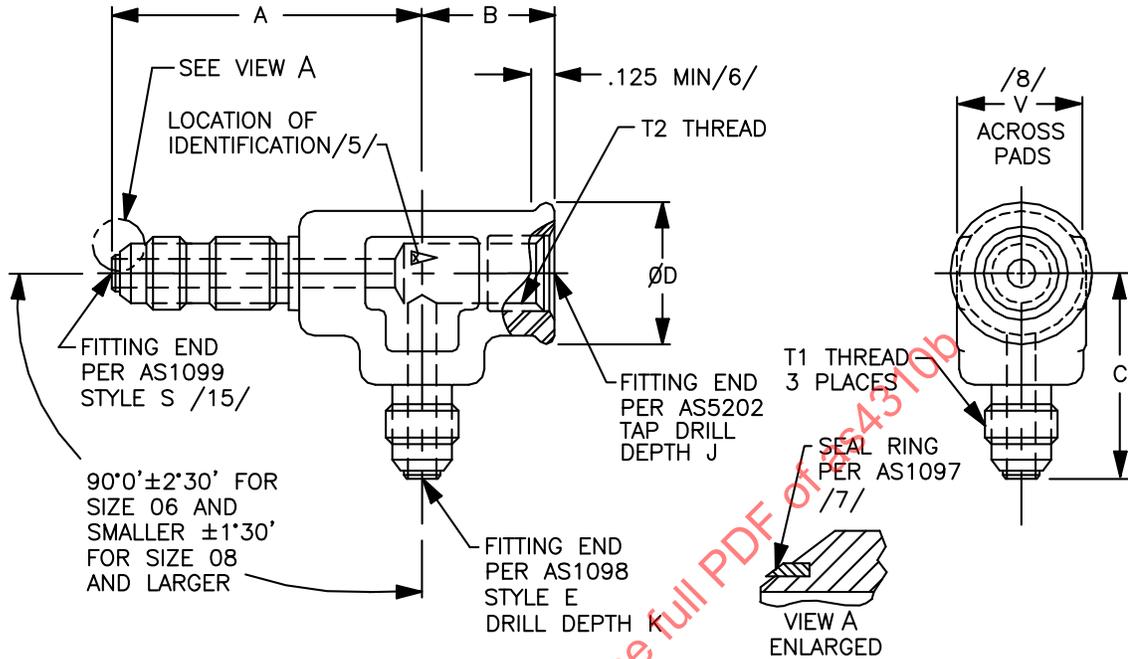
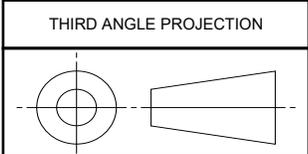


FIGURE 1 - TEE, FLARED TUBE, INTERNAL THREAD ON RUN

TABLE 1 - DIMENSIONS

BASIC NUMBER AS4310 /17/ SIZE CODE	(NOMINAL TUBE SIZE)	T1 THREAD PER AS8879 CLASS 3A	T2 THREAD PER AS8879 CLASS 3B	A	B	C	D
04	.250	.4375-20 UNJF	.4375-20 UNJF	1.797	.797	1.235	.750
06	.375	.5625-18 UNJF	.5625-18 UNJF	2.047	.860	1.297	.875
08	.500	.7500-16 UNJF	.7500-16 UNJF	2.203	1.047	1.485	1.063
10	.625	.8750-14 UNJF	.8750-14 UNJF	2.422	1.203	1.672	1.188
12	.750	1.0625-12 UNJ	1.0625-12 UNJ	2.672	1.391	1.860	1.438
16	1.000	1.3125-12 UNJ	1.3125-12 UNJ	2.891	1.578	2.110	1.688
20	1.250	1.6250-12 UNJ	1.6250-12 UNJ	3.078	1.766	2.297	2.000

For more information on this standard, visit <https://www.sae.org/standards/content/AS4310B/>



CUSTODIAN: G-3/G-3B

PROCUREMENT SPECIFICATION: KSC-F-124 /4/



AEROSPACE STANDARD

FITTING, TEE, FLARED TUBE,
INTERNAL THREAD ON RUN,
FOR SEAL RING

AS4310™
SHEET 1 OF 3

REV.
B

ISSUED 1993-08 REAFFIRMED 2007-09 REVISED 2022-11

TABLE 2 - DIMENSIONS AND WEIGHTS

BASIC NUMBER	(NOMINAL TUBE SIZE)	J	K	V	LB/EA APPROX REF ALUM	LB/EA APPROX REF CRES
AS4310 /17/ SIZE CODE		+ .047 - .000	+ .047 - .000			
04	.250	.906	1.188	.750	.101	.280
06	.375	1.031	1.281	.875	.143	.395
08	.500	1.250	1.469	1.063	.235	.652
10	.625	1.469	1.750	1.063	.253	.702
12	.750	1.750	1.875	1.313	.417	1.160
16	1.000	2.063	2.094	1.625	.663	1.840
20	1.250	2.313	2.250	1.875	.906	2.510

NOTES:

/1/ MATERIAL:

- a. CODE LETTER D: TYPE 2014-T6 ALUMINUM ALLOY FORGING PER AMS4133 OR AMS-QQ-A-367; OR 2024-T6 OR 2024-T851 ALUMINUM ALLOY BAR PER AMS-QQ-A-225/6 OR AMS-QQ-S-763.
- b. CODE LETTER J: 304 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5639.
- c. CODE LETTER K: 316 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5648.
- d. CODE LETTER R: 321 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5645.
- e. CODE LETTER S: 347 CORROSION RESISTANT STEEL FORGING OR BAR PER AMS-QQ-S-763 OR AMS5646.

2. HEAT TREAT PER PROCUREMENT SPECIFICATION.

3. FINISH:

- a. MATERIAL CODE LETTER D: ANODIZE PER AMS2472 OR MIL-PRF-8625 TYPE II, CLASS 2, COLOR BLUE, DUPLEX SEAL PER PROCUREMENT SPECIFICATION.
 - b. CORROSION RESISTANT STEEL: PASSIVATE PER AMS2700, TYPE 6 OR 7.
4. PROCUREMENT SPECIFICATION: KSC-F-124 - JOHN F. KENNEDY SPACE CENTER, NASA, SPECIFICATION FOR FITTINGS (PRESSURE CONNECTIONS), FLARED TUBE. PRODUCT MANUFACTURED TO THIS STANDARD SHALL MEET THE REQUIREMENTS SPECIFIED HEREIN AND THE PROCUREMENT SPECIFICATION. ORIGINAL COMPONENT MANUFACTURERS (OCM) AND VALUE ADDED DISTRIBUTORS (VAD) SHALL BE LISTED IN THE NADCAP QUALIFIED MANUFACTURER LIST (QML) AC7112, AC7112/2 FOR THIS PRODUCT TYPE. THE QML IS AVAILABLE AT www.eAuditNet.com.

/5/ IDENTIFICATION: MARK PER AS478-7A3, -15A3, -15B, CLASS C OR CLASS D.

- a. FOR SIZES 06 (.375 OD TUBE SIZE) AND SMALLER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, LETTERS "AS," AND MATERIAL CODE LETTER.
- b. FOR SIZES 08 (.500 OD TUBE SIZE) AND LARGER: MANUFACTURER'S NAME, CAGE CODE OR TRADEMARK, BASIC PART NUMBER, AND MATERIAL CODE LETTER.

/6/ .125 MINIMUM DIMENSION APPLIES ONLY WHEN D IS GREATER THAN THE V DIMENSION.

/7/ THE SEAL RING IS ORDERED SEPARATELY AS AN AS1097.

/8/ WHEN MACHINING FROM BAR STOCK OR OVERSIZED FORGING, THE CENTER BODY DIMENSION SHALL CONFORM TO AS1376, TABLE 11.

9. INTERPRETATION OF DRAWING PER AS4296.

	AEROSPACE STANDARD	AS4310™ SHEET 2 OF 3	REV. B
	FITTING, TEE, FLARED TUBE, INTERNAL THREAD ON RUN, FOR SEAL RING		