

**Aircraft Oxygen Replenishment Coupling for Civil Transport Aircraft
(Design Standard)**

RATIONALE

AS1219A has been reaffirmed to comply with the SAE five-year review policy.

1. SCOPE:

This SAE Aerospace Design Standard defines a coupling, which is installed in a high pressure (1850 to 2000 psig) oxygen system of a civil transport aircraft for the purpose of mating to ground oxygen replenishment facilities. Dimensions developed from AND10089, Detail Specification Sheet for Fitting End, Design Standard, For Cone Connection.

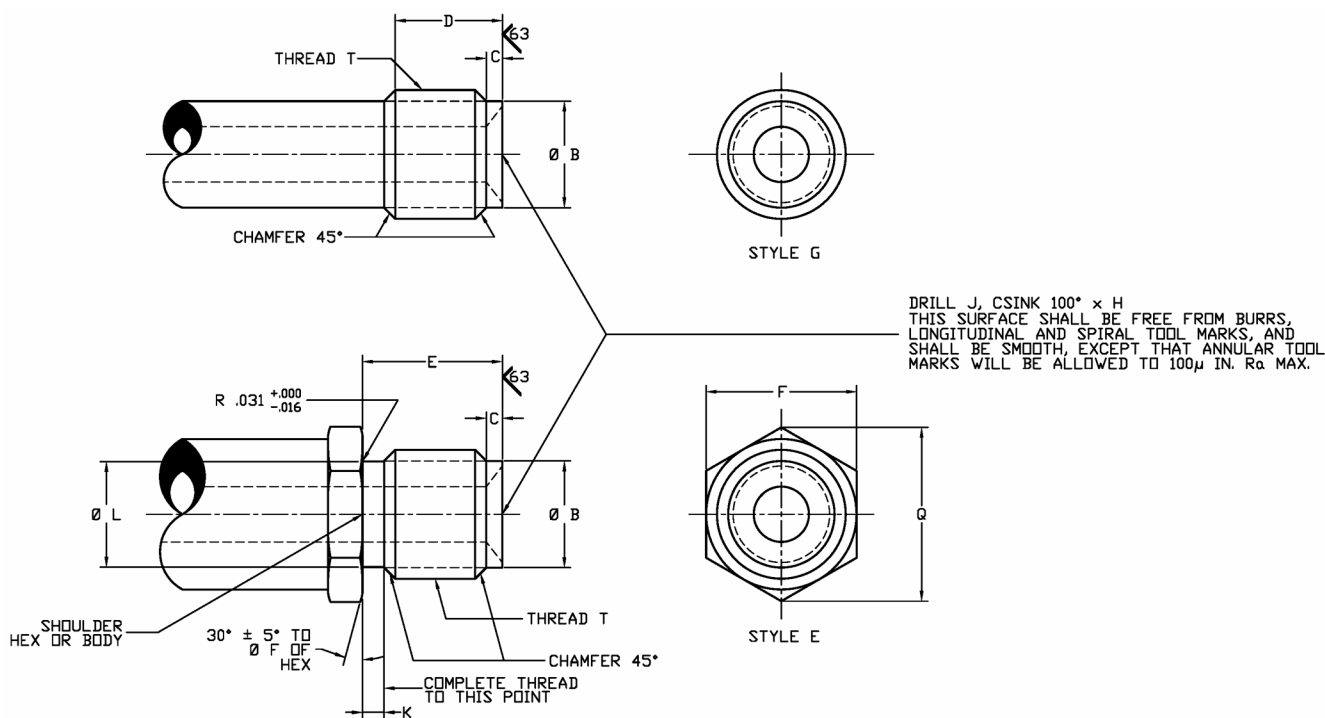


FIGURE 1 - Fitting End

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TABLE 1 - Fitting End Dimensions

Size No.	Tubing OD Ref	Thread T (1)	B +.000 -.005	C	D ±.015	E ±.015	F +.003 -.004	H Dia	J Dia	K +.015 -.000	L +.000 -.005	Q Ref
3	.188	.375-24 UNF-3A	.310	.047	.312	.375	.438	.281	.161	.063	.307	.51

(1) Thread T in accordance with AS8879 unless otherwise specified.

(2) Dimensions are in inches. Unless otherwise specified, tolerances: decimals $\pm.005$, angles $\pm 1/2^\circ$.

2. REQUIREMENTS:

(1) Where indicated in Figure 1, surface roughness shall be in accordance with ASME B46.1.

(2) Break all sharp edges and remove burrs and slivers.

(3) Materials used to meet this Aerospace Standard shall be compatible for oxygen use.

3. NOTES:

3.1 The change bar (|) located in the left margin is for the convenience of the user in locating areas where technical revisions, not editorial changes, have been made to the previous issue of this document. An (R) symbol to the left of the document title indicates a complete revision of the document.

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