

INCH-POUND

MS21947B
10 November 1999
SUPERSEDING
MS21947A
10 November 1984

DETAIL SPECIFICATION SHEET
FITTING END, BOLT CLUSTER FITTING
SINGLE PORT THROUGH, FLARE

This specification is approved for use by all Departments and Agencies of the Department of Defense.

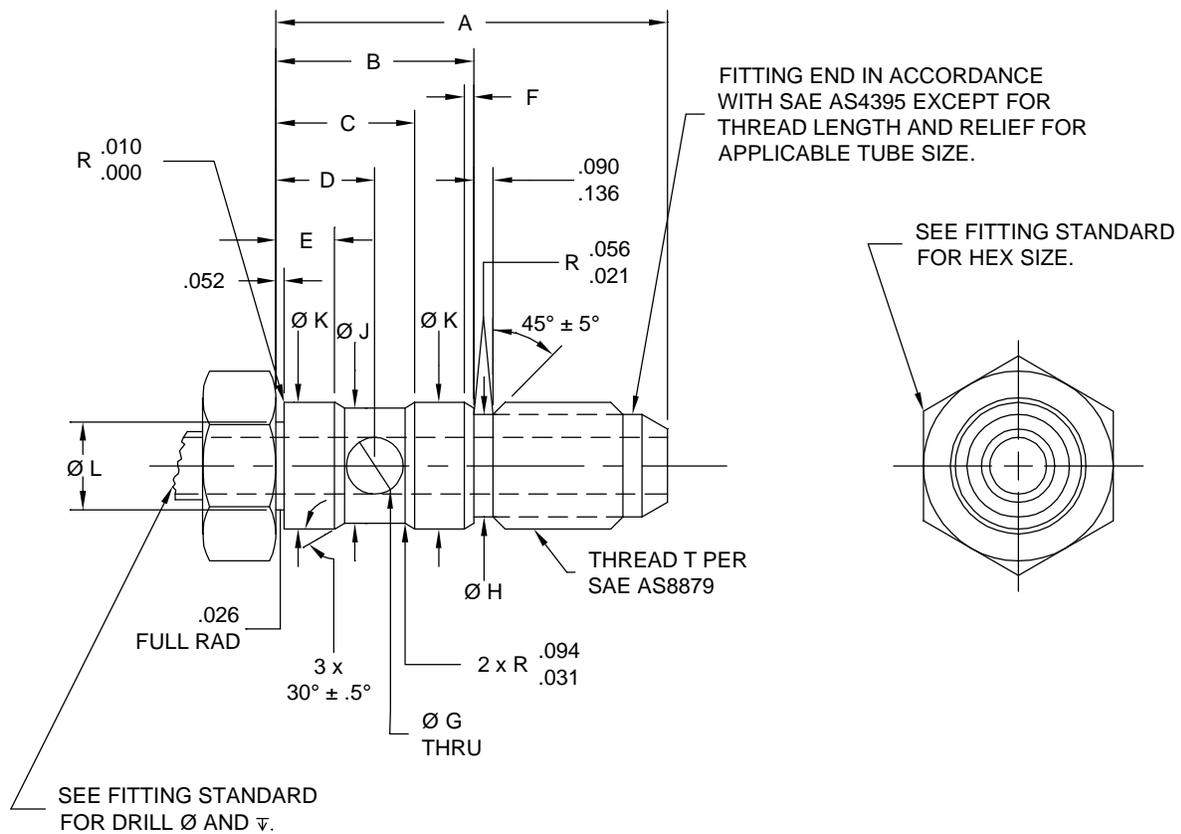


FIGURE 1. Fitting End.

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TABLE I. Dimensions.

Size	Tube O.D.	Thread T (Ref)	A	B	C	D	E	F
Low Flow 4 <u>1/</u>	.250	.4375-20 UNJF-3A	2.072	1.087	.726	.540	.354	.060
High Flow 4	.250	.4375-20 UNJF-3A	2.353	1.274	.891	.634	.377	.065
High Flow 5	.313	.5000-20 UNJF-3A	2.353	1.274	.891	.634	.377	.065
High Flow 6	.375	.5625-18 UNJF-3A	2.359	1.274	.891	.634	.377	.065
High Flow 8	.500	.7500-16 UNJF-3A	2.460	1.274	.891	.634	.377	.065

TABLE I. Dimensions - Continued.

Size	G ±.003	H ±.005	J ±.005	K ±.0004	L
Low Flow 4 <u>1/</u>	.189	.364	.433	.4989	.425
High Flow 4	.300	.364	.740	.8114	.738
High Flow 5	.300	.427	.740	.8114	.738
High Flow 6	.300	.482	.740	.8114	.738
High Flow 8	.300	.660	.740	.8114	.738

1/ Dimensions for size 4 low flow fittings are constant for all low flow fittings.

REQUIREMENTS:

1. All outside machined surfaces shall be finished to 125 μin R_a max. except as noted.
2. All inside machined surfaces shall be finished to 250 μin R_a max. except as noted.
3. "K" machined surfaced shall be finished to 16 μin R_a max. and concentric to each other within .0005 full indicator movement.
4. "J" and "K" diameters, and thread "T" shall be concentric within .005 full indicator movement.
5. Fittings shall be free from hanging burrs and slivers which might become dislodged under usage.

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NOTES:

1. Dimensioning and tolerancing: ASME Y14.5
2. Dimensions are in inches. Unless otherwise specified, tolerances: Decimals $\pm .010$,
Angles $\pm .5^\circ$.
3. This is a design standard and is not to be used for part numbers.

Custodians:

Army - AV
Navy - AS
Air Force - 99

Preparing activity:

DLA - CC

(Project 4730-1047)

Review activities:

Army -
Navy -
Air Force - 11, 82