

INCH-POUND

AND10089, REV 7
 18 October, 1999
 SUPERSEDING
 AND10089 REV 6
 24 February 1994

DETAIL SPECIFICATION SHEET

FITTING END, DESIGN STANDARD, FOR CONE CONNECTION

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

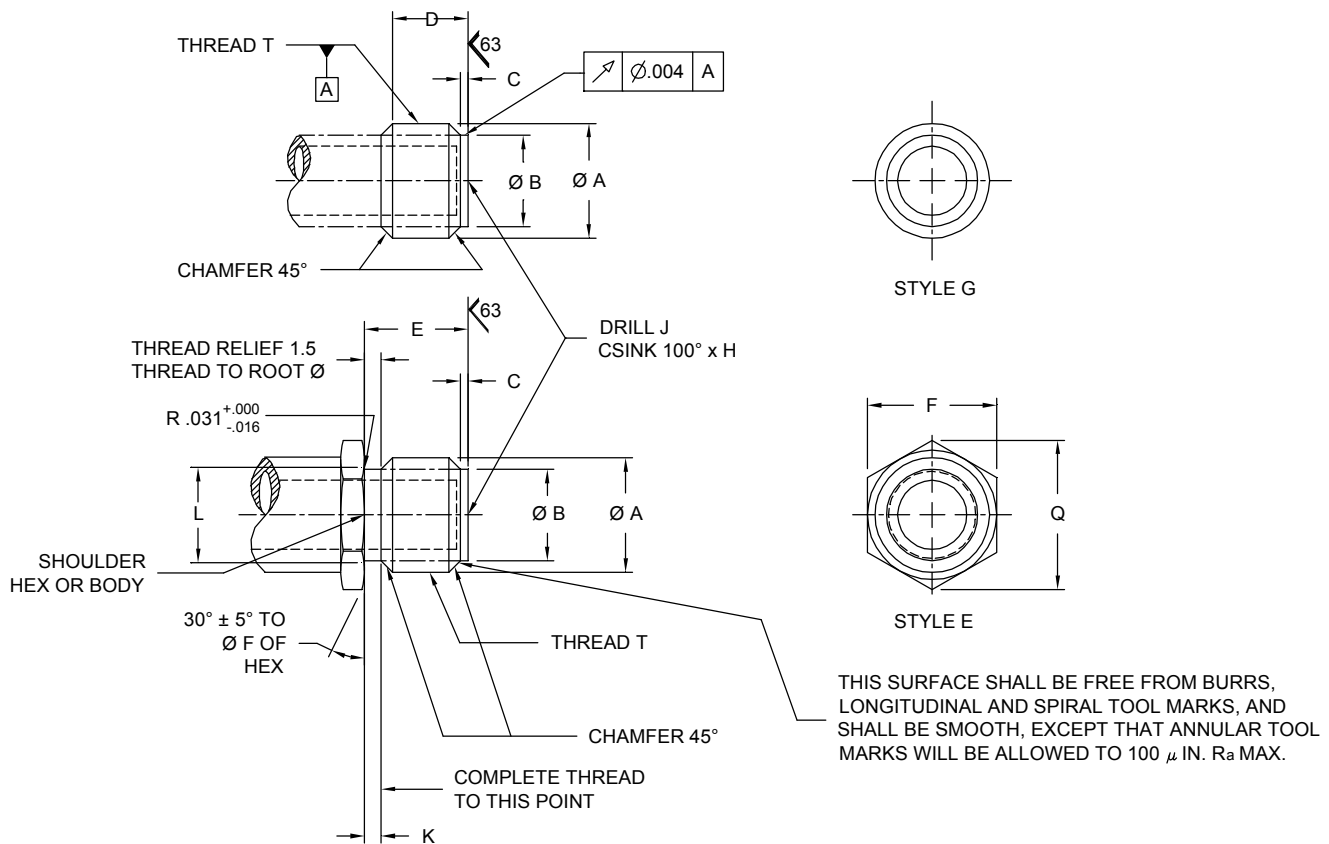


FIGURE 1. Fitting end

AND10089, REV 7

TABLE I. Fitting end dimensions

Size No.	Tubing OD Ref	Thread T (1)	P Pitch Dia Thd	A Dia	B +.000 -.005	C	D ±.015	E ±.015
2	.125	.312-32 NEF-3A			.257	.031	.312	.281
3	.188	.375-24 UNF-3A			.310	.047		.375
4	.250	.438-20 UNF-3A			.359	.094		.438
5	.312	.500-20-UNF-3A			.421		.344	
6	.375	.625-18 UNF-3A			.531		.375	
8	.500	.750-16 UNF-3A			.656		.500	
10	.625	.938-14 NS-3A	+ .0000 .8911 -.0035	+ .0000 .9375 -.0098	.843		.625	
12	.750	1.125-12 UNF-3A			1.000	.688	.812	
16	1.000	1.500-12 UNF-3A			1.375		.750	

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

TABLE I. Fitting end dimensions - Continued

Size No.	F	H Dia	J Dia	K +.015 -.000	L +.000 -.005	Q Ref
2	+.003 .438 -.004	.219	.125	.046	.266	.51
3		.281	.161	.063	.307	
4	.562±.004	.312	.189	.075	.359	.65
5	.625±.004	.406	.250		.421	.72
6	.750±.004	.500	.312	.083	.546	.87
8	.875±.004	.625	.438	.094	.654	1.01
10	.938±.004	.812	.562	.107	.775	1.09
12	1.250±.005	.938	.750	.125	1.009	1.30
16	1.750±.016	1.312			1.383	2.02

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

REQUIREMENTS:

- Where indicated in figure 1, surface roughness shall be in accordance with ASME B46.1.
- Break all sharp edges and remove all burrs and slivers.

NOTES:

- Dimensions in inches. Unless otherwise specified, tolerances: decimals ±.005, angles ±1/2°.
- This document is a design standard. Do not use as a part number.

AND10089, REV 7

Custodians:
Air Force - 99
Navy - AS
DLA - CC

Preparing activity:
DLA - CC

(Project 4730-1007)

Review activities:
Air Force - 82
Navy - MC