

REV.
A

AS5131™

FEDERAL SUPPLY CLASS

RATIONALE

GRAPHICS REDRAWN FOR CLARITY. TABLE REDRAWN TO INCLUDE SIZES 14, 18, 22, AND 38. GENERAL UPDATES INCORPORATED. NOTE 10 ADDED.

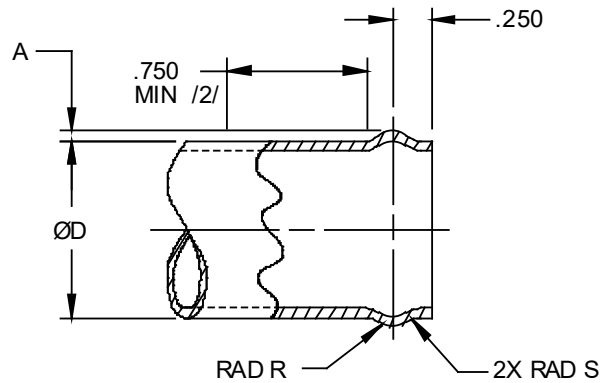


FIGURE 1 - TUBING END - STYLE A

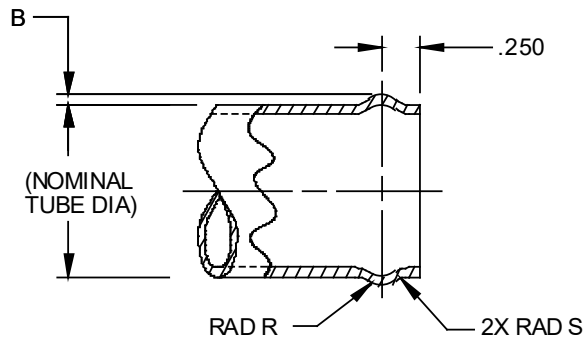


FIGURE 2 - TUBING END - STYLE B

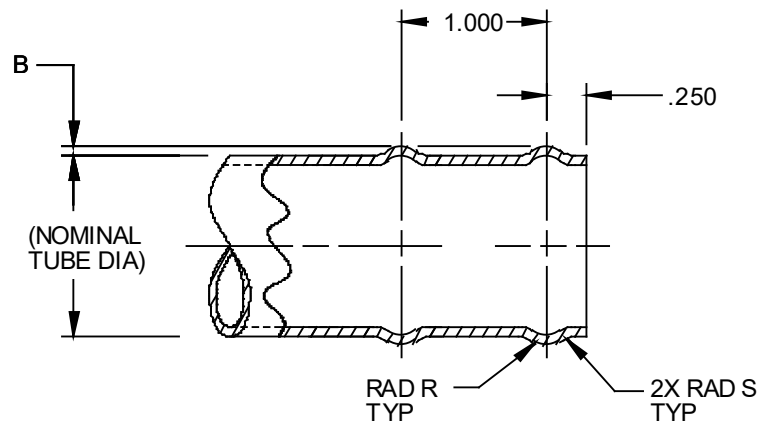
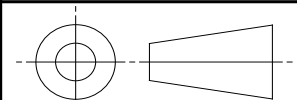


FIGURE 3 - TUBING END - STYLE C

For more information on this standard, visit
<https://www.sae.org/standards/content/AS5131A/>

THIRD ANGLE PROJECTION



CUSTODIAN: G-3

PROCUREMENT SPECIFICATION: NONE /1/



AEROSPACE STANDARD

(R) TUBE END - BEADED,
DESIGN STANDARD

AS5131™
SHEET 1 OF 3

REV.
A

TABLE 1 - DIMENSIONS

BASIC NO. AS5131 SIZE CODE /8/ /9/	(NOMINAL TUBE DIA)	D /2/ TOLERANCES FOR STYLE A					
		D /2/	END	A ±.003	B	R	S
04	.250	.250	+.003/-0.010	.031	.023-.033	.031-.125	.010-.062
05	.313	.313	+.003/-0.010	.033	.023-.033	.031-.125	.010-.062
06	.375	.375	+.003/-0.010	.035	.025-.035	.031-.125	.010-.062
08	.500	.500	+.003/-0.010	.038	.028-.038	.031-.125	.010-.062
10	.625	.625	+.003/-0.010	.038	.028-.038	.031-.125	.010-.062
12	.750	.750	+.004/-0.010	.038	.030-.040	.031-.125	.010-.062
14	.875	.875	+.004/-0.010	.038	.030-.040	.031-.125	.010-.062
16	1.000	1.000	+.005/-0.010	.062	.047-.059	.062-.156	.015-.093
18	1.125	1.125	+.005/-0.010	.062	.047-.059	.062-.156	.015-.093
20	1.250	1.250	+.005/-0.010	.062	.047-.059	.062-.156	.015-.093
22	1.375	1.375	+.005/-0.010	.072	.056-.068	.062-.156	.015-.093
24	1.500	1.500	+.005/-0.010	.072	.056-.068	.062-.156	.015-.093
28	1.750	1.750	+.005/-0.010	.072	.056-.068	.062-.156	.015-.093
32	2.000	2.000	+.005/-0.010	.082	.065-.081	.062-.156	.015-.093
36	2.250	2.250	+.006/-0.010	.082	.065-.081	.062-.156	.015-.093
38	2.375	2.375	+.006/-0.010	.082	.065-.081	.062-.156	.015-.093
40	2.500	2.500	+.006/-0.010	.082	.065-.081	.062-.156	.015-.093
44	2.750	2.750	+.006/-0.010	.082	.065-.081	.062-.156	.015-.093
48	3.000	3.000	+.006/-0.010	.082	.065-.081	.062-.156	.015-.093
52	3.250	3.250	+.006/-0.010	.088	.067-.087	.062-.156	.015-.093
56	3.500	3.500	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
60	3.750	3.750	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
64	4.000	4.000	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
68	4.250	4.250	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
72	4.500	4.500	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
76	4.750	4.750	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
80	5.000	5.000	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
84	5.250	5.250	+.008/-0.010	.088	.067-.087	.062-.156	.015-.093
88	5.500	5.500	±.010	.088	.067-.087	.062-.156	.015-.093
92	5.750	5.750	±.010	.088	.067-.087	.062-.156	.015-.093
96	6.000	6.000	±.010	.088	.067-.087	.062-.156	.015-.093

NOTES:

- /1/ TUBE ENDS PER STYLE A ARE INTENDED FOR USE WITH MIL-DTL-85061 TYPE FLEXIBLE COUPLINGS. TUBE ENDS PER STYLE B ARE INTENDED FOR USE WITH HOSE AND HOSE CLAMP APPLICATIONS. TUBE ENDS PER STYLE C ARE INTENDED FOR USE WITH HOSE AND HOSE CLAMP APPLICATIONS WHERE EXTRA TUBE RIGIDITY IS REQUIRED.
- /2/ TUBE OD FOR STYLE A END, AFTER BEADING, SHALL BE CONTROLLED WITHIN TOLERANCE SPECIFIED FOR DISTANCE SHOWN.
3. INTERPRETATION OF DRAWING PER AS4296.
4. SURFACE TEXTURE: SYMBOLS PER ANSI Y14.36M. REQUIREMENTS PER ASME B46.1. UNLESS OTHERWISE SPECIFIED, SURFACES TO BE 125 MICROINCHES Ra.
5. REMOVE BURRS AND SHARP EDGES.
6. DIMENSIONING AND TOLERANCING: ASME Y14.5M-1994.

	AEROSPACE STANDARD		AS5131™ SHEET 2 OF 3	REV. A
	(R) TUBE END - BEADED, DESIGN STANDARD			

