



5.3.3 Decarburization of all tubing to which 5.3.1 or 5.3.2 is not applicable shall be not greater than the following:

Nominal Wall Thickness Inch	Maximum Depth of Decarburization, Inch		
	Inside	Outside	Inside + Outside
0.040 and under	0.008	0.008	0.010
Over 0.040 to 0.050, incl	0.009	0.009	0.012
Over 0.050 to 0.070, incl	0.010	0.010	0.014
Over 0.070 to 0.080, incl	0.012	0.012	0.016
Over 0.080 to 0.090, incl	0.014	0.014	0.018
Over 0.090 to 0.100, incl	0.015	0.015	0.020
Over 0.100 to 0.150, incl	0.017	0.017	0.022
Over 0.150 to 0.200, incl	0.020	0.020	0.026

5.3.4 Decarburization shall be measured by the microscopic method.

## 6. QUALITY:

6.1 Tubing shall be suitable for use in aircraft, shall be uniform in condition, and shall not reveal defects during fabrication processes.

6.2 Tubing shall have a good workmanlike finish conforming to the best practice for high quality aircraft material. It shall be smooth, clean, and free from heavy scale or oxide, burrs, seams, tears, grooves, laminations, slivers, pits, and other injurious defects. Surface imperfections such as handling marks, straightening marks, light mandrel and die marks, shallow pits, and scale pattern will not be considered as injurious defects, provided the imperfections are removable within the tolerances specified for diameter and wall thickness. The removal of surface imperfections is not required.

6.3 Steel used for manufacture of tubing shall be of a quality satisfactory for fabrication of parts which may be subjected to a method of inspection which will disclose injurious tubing defects as defined in 6.2.

7. TOLERANCES: Unless otherwise specified, tolerances shall conform to the latest issue of AMS 2253 as applicable to Aircraft Type - Seamless. Diameter and straightness tolerances shall be as specified below:

7.1 Diameter: Table I, column headed "Annealed, Normalized or Stress Relieved".

7.2 Straightness: Table VIII.

## 8. REPORTS:

8.1 Unless otherwise specified, the vendor of tubing shall furnish with each shipment three copies of a notarized report of the results of tests for chemical composition and grain size of each heat in the shipment and physical properties of each size from each heat. This report shall include the purchase order number, heat number, material specification number, size and quantity from each heat.