



WELDED STAINLESS STEEL TUBING FOR: ROUND, SQUARE & RECTANGLE SHAPES - ASTM A249/A269		
A1016, table 3: Permitted Variations in Outside Diameter (a)		
Specified Outside Diameter, in.	Tolerances, in.	
	OD, in.	Wall
Under 1	±0.004	All Sizes +/- 10%
1 to 1-1/2, incl.	±0.006	
Over 1-1/2 to 2, excl.	±0.008	
2 to 2-1/2, excl.	±0.010	
2-1/2 to 3, excl.	±0.012	
3 to 4, incl.	±0.015	
Over 4 to 7-1/2, incl.	+ 0.015, - 0.025	
Over 7-1/2 to 9, incl.	+0.015, - 0.045	

(a) Except as provided in 10.2 and 10.3, these permitted variations include out-of-roundness. These permitted variations in outside diameter apply to hot-finished seamless, welded and cold-finished seamless tubes before other fabricating operations such as upsetting, swaging, expanding, bending, or polishing.

<u>Outside Diameter, in.</u>	<u>Ovality Allowance</u>
1 and under	0.020
Over 1	2.0% of specified outside diameter

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