

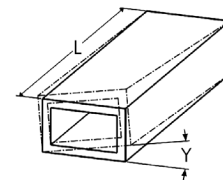
extruded tube/standard tolerances

TABLE 12.6 Length—Extruded Tube

SPECIFIED OUTSIDE DIAMETER OR WIDTH in.	TOLERANCE —in. plus excepted as noted							
	ALLOWABLE DEVIATION FROM SPECIFIED LENGTH							
	STRAIGHT				COILED			
	SPECIFIED LENGTH—ft.							
	Up thru 12	Over 21 thru 30	Over 30 thru 50	Over 50 Over 60	Up thru 100	Over 100 thru 250	Over 250 thru 500	Over 500
0.500–1.249	1/8	1/4	3/8	1	+5%, -0%	±10%	±15%	±20%
1.250–2.999	1/8	1/4	3/8	1	..	..	..	..
3.000–7.999	3/16	5/16	7/16	1	..	..	..	..
8.000 and over	1/4	3/8	1/2	1	..	..	..	..

TABLE 12.7 Twist ⑪—Other-than-Round Extruded Tube

TEMPER	SPECIFIED WIDTH in.	SPECIFIED THICKNESS in.	TOLERANCE ⑨—Degrees	
			ALLOWABLE DEVIATION FROM STRAIGHT	
			IN TOTAL LENGTH OR IN ANY SEGMENT OF ONE FT. OR MORE OF TOTAL LENGTH	MAXIMUM FOR TOTAL LENGTH
All except: O, TX510, TX511 ⑧	0.500 thru 1.499	All	1 × Measured length, ft.	7
	1.500–2.999	All	1/2 × Measured length, ft.	5
	3.000 and over	All	1/4 × Measured length, ft.	3
O, TX510 ⑧	0.500 and over	0.095 and over	⑦	⑦
TX511 ⑧	0.500–1.499	0.095 and over	1 × Measured length, ft.	7
	1.500–2.999	0.095 and over	1/2 × Measured length, ft.	5
	3.000 and over	0.095 and over	1/4 × Measured length, ft.	3



Y (max.) in degrees

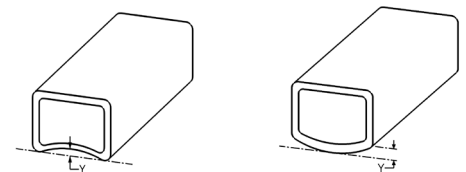
TABLE 12.8 Straightness—Extruded Tube in Straight Lengths

TEMPER	SPECIFIED OUTSIDE DIAMETER OR CIRCUMSCRIBING CIRCLE DIAMETER ⑩ in.	TOLERANCE ⑫—in.
		ALLOWABLE DEVIATION (D) FROM STRAIGHT ⑬
		IN TOTAL LENGTH OR IN ANY SEGMENT OF ONE FT. OR MORE OF TOTAL LENGTH
All except: O, TX510 ⑧	0.500–5.999	0.010 × Measured length, ft.
	6.000 and over	0.020 × Measured length, ft.
O, TX510 ⑧	0.500 and over	⑦



TABLE 12.9 Flatness (Flat Surfaces)—Extruded Tube EXCEPT FOR O, T3510, T4510, T6510, T73510, T76510 AND T8510 TEMPER ⑦

MINIMUM THICKNESS OF METAL FORMING THE SURFACE in.	TOLERANCE—in.	
	Maximum Allowable Deviation Y	
	WIDTHS UP THRU 1 IN. OR ANY 1 IN. INCREMENT OF WIDER SURFACES	WIDTHS OVER 1 IN. THRU 5.999 IN. ⑳
Up thru 0.187	0.006	0.006 × W (inches)
0.188 and over	0.004	0.004 × W (inches)



For all numbered footnotes, see page 12-9.