

AERONAUTICAL MATERIAL SPECIFICATION

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TOLERANCES Copper and Copper Alloy Wire

- PURPOSE:** To publish established manufacturing tolerances.
- APPLICATION:** Tolerances shown herein apply, unless otherwise agreed between purchaser and vendor. These tolerances apply to all conditions unless otherwise noted.
- DIAMETER OR THICKNESS:**

TABLE I
HOT DIP METALLIC COATED - NOT REDRAWN
Round only - Non-Refractory

Nominal Diameter Inch	Tolerance, Inch	
	Plus	Minus
Up to 0.010, incl	0.0003	0.0001
Over 0.010	3.0% ϕ	1.0% ϕ

TABLE II
BARE AND METALLIC COATED - COLD DRAWN
Round, Hexagon and Octagon

Nominal Diameter or Distance Between Parallel Sides Inch	Tolerance, Inch, Plus and Minus			
	Non-Refractory		Refractory	
	Round	Hexagon Octagon	Round	Hexagon Octagon
Up to 0.010, incl	0.0001	--	0.0002	--
Over 0.010 to 0.020, incl	0.0002	--	0.0003	--
Over 0.020 to 0.030, incl	0.0003	--	0.0005	--
Over 0.030 to 0.040, incl	0.0004	0.0008	0.0007	0.0020
Over 0.040 to 0.050, incl	0.0005	0.0010	0.0008	0.0030
Over 0.050 to 0.060, incl	0.0006	0.0012	0.0010	0.0030
Over 0.060 to 0.080, incl	0.0008	0.0016	0.0015	0.0040
Over 0.080 to 0.150, incl	0.0010	0.0020	0.0020	0.0040
Over 0.150 to 0.500, incl	0.0015	0.0030	0.0020	0.0040
Over 0.500 to 0.750, incl	0.0020	0.0040	0.0030	0.0050