

AERONAUTICAL MATERIAL SPECIFICATION

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TOLERANCES Copper and Copper Alloy Wire

1. PURPOSE: To publish established manufacturing tolerances.
2. APPLICATION: Tolerances shown herein apply, unless otherwise agreed upon by purchaser and vendor. These tolerances apply to all conditions unless otherwise noted.
3. DIAMETER OR THICKNESS:
 - 3.1 Metallic Coated, Not Redrawn:
 - 3.1.1 Round Only, Non-Refractory:

TABLE I

Nominal Diameter Inch	Tolerance, Inch	
	plus	minus
0.010 and under	0.0003	0.0001
Over 0.010	3.0%D	1.0%D

3.2 Bare and Metallic Coated, Cold Drawn:

3.2.1 Round, Hexagon and Octagon:

TABLE II

Nominal Diameter or Distance Between Parallel Sides Inch	Tolerance, Inch, Plus and Minus			
	Non-Refractory		Refractory	
	Round	Hexagon Octagon	Round	Hexagon Octagon
0.010 and under	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	0.002
Over 0.040 to 0.050, incl	0.0005	0.001	0.0008	0.003
Over 0.050 to 0.060, incl	0.0006	0.0012	0.001	0.003
Over 0.060 to 0.080, incl	0.0008	0.0016	0.0015	0.004
Over 0.080 to 0.150, incl	0.001	0.002	0.002	0.004
Over 0.150 to 0.500, incl	0.0015	0.003	0.002	0.004
Over 0.500 to 0.750, incl	0.002	0.004	0.003	0.005

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