

AERONAUTICAL MATERIAL SPECIFICATION

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Revised

TOLERANCES

Nickel and Nickel-Base Alloy Sheet and Strip

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. **THICKNESS:**

TABLE I

Nominal Thickness Inch	Thickness Tolerance, Inch		
	Width Ranges, Inches		
	Over 14 to 48, incl Plus and Minus	Over 48 to 60, incl Plus	Minus
0.018 to 0.030, incl	0.002	--	--
Over 0.030 to 0.034, incl	0.002	0.002	0.004
Over 0.034 to 0.062, incl	0.003	0.003	0.005
Over 0.062 to 0.100, incl	0.004	0.004	0.006
Over 0.100 to 0.125, incl	0.004	0.05xT	0.05xT
Over 0.125 to 0.187, incl	0.005	0.05xT	0.05xT
Over 0.187 to 0.218, incl	0.006	0.05xT	0.05xT
Over 0.218 to 0.234, incl	0.007	0.05xT	0.05xT
Over 0.234 to 0.250, incl	0.008	0.05xT	0.05xT

Note: Age-hardenable alloys available only in widths 36 inches and under.

TABLE III

Nominal Thickness Inch	Thickness Tolerance, Inch, Plus and Minus		
	Width Ranges, Inches		
	3 and under	Over 3 to 8 incl	Over 8 to 14 incl
0.005 and under	0.0003	0.0005	--
Over 0.005 to 0.009, incl	0.0005	0.0008	--
Over 0.009 to 0.014, incl	0.001	0.001	--
Over 0.014 to 0.050, incl	0.001	0.001	0.001
Over 0.050 to 0.093, incl	0.0015	0.0015	0.0015
Over 0.093 to 0.125, incl	0.0025	0.0025	0.0025
Over 0.125 to 0.156, incl	0.003	0.003	0.003
Over 0.156 to 0.187, incl	0.004	0.004	0.004
Over 0.187 to 0.218, incl	0.004	0.004	0.006
Over 0.218 to 0.234, incl	0.004	0.004	0.007
Over 0.234 to 0.250, incl	0.004	0.004	0.008

Note: Table III does not apply to age-hardenable Ni-Cr alloys.

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