

AERONAUTICAL MATERIAL SPECIFICATION

Society of Automotive Engineers, Inc.
29 West 39th Street
New York City

AMS 2262A

Issued 5-1-48

Revised 6-15-50

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:** Thickness is measured at any place on widths less than 1 inch; at any place 0.375 inch and over from an edge on widths 1 inch and over.
- 3.1 Cold Rolled and Hot Rolled Sheet:

TABLE I

Nominal Thickness Inch	Thickness Tolerance, Inch, Plus and Minus			
	Cold Rolled		Hot Rolled	
	Width Ranges, Inches		Width Ranges, Inches	
	48	Over 48	60	
	and	to	and	
	under	60 incl	under	
0.018 to 0.025, incl	0.002	0.003	0.003	
Over 0.025 to 0.034, incl	0.003	0.004	0.004	
Over 0.034 to 0.056, incl	0.004	0.005	0.005	
Over 0.056 to 0.070, incl	0.005	0.006	0.006	
Over 0.070 to 0.078, incl	0.006	0.007	0.007	
Over 0.078 to 0.093, incl	0.007	0.008	0.008	
Over 0.093 to 0.109, incl	0.007	0.009	0.009	
Over 0.109 to 0.125, incl	0.008	0.010	0.010	
Over 0.125 to 0.140, incl	0.008	0.010	0.012	
Over 0.140 to 0.171, incl	0.009	0.012	0.014	
Over 0.171 to 0.187, incl	0.010	0.013	0.015	
Over 0.187 to 0.218, incl	0.011	0.015	0.017	
Over 0.218 to 0.234, incl	0.012	0.016	0.018	
Over 0.234 to 0.250, incl	0.013	0.018	0.020	

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