

# ALUMINUM SHEET & COIL PUBLISHED DIMENSIONAL TOLERANCES

## Thickness Tolerances for Aluminum Sheet

Specified Thickness (Inches)		Thickness Tolerance for widths up to 39.37'
Over	Thru	Inches plus and minus
0.0059	0.016	0.0010
0.016	0.025	0.0015
0.025	0.039	0.0020
0.039	0.047	0.0025
0.047	0.063	0.0030
0.063	0.098	0.0035
0.098	0.126	0.0045
0.126	0.158	0.0055
0.158	0.197	0.0070

The above are the published thickness tolerances in ANSI-H35.2 for all sheet alloys not included in the Aerospace Alloys Table or specified for aerospace applications.

## Thickness Tolerances for Aerospace Alloys

Specified Thickness (Inches)		Thickness Tolerance for widths up to 39.37'
Over	Thru	Inches plus and minus
0.0059	0.010	0.0010
0.010	0.039	0.0015
0.039	0.079	0.0020
0.079	0.098	0.0025
0.098	0.126	0.0035
0.126	0.158	0.0040
0.158	0.197	0.0055

The above are the published thickness tolerances in ANSI-H35.2 for aerospace alloys 2024 and 7075.

## Width Tolerances for Slit Coil

Specified Thickness (Inches)	Specified Width (inches)			
	Up Thru 6	Over 6 Thru 12	Over 12 Thru 24	Over 24 Thru 48
0.006-0.125	0.010	1/64	1/32	3/64
0.126-0.186	0.012	1/32	1/32	1/16

ANSI-H35.2

## Lateral Bow (or "Camber") Limits for Slit Coil

Allowable deviation of an edge from a 6ft. straight line

Specified Thickness (Inches)	Specified Width (inches)				
	1/2 Thru 1	Over 1 Thru 2	Over 2 Thru 4	Over 4 Thru 10	Over 10
0.006-0.064	3/4	9/16	3/8	1/4	3/16
0.065-0.125	—	—	3/8	1/4	3/16

ANSI-H35.2