STAINLESS SHEET/GAUGE

USS Gauge	Range	Tolerance Plus/Minus
7 - 8 ga	.1601 - .1874	0.0070
9 ga	.1451 - .1600	0.0070
10 ga	.1301 - .1450	0.0060
11 ga	.1141 - .1300	0.0050
12 ga	.0981 - .1140	0.0050
13 ga	.0831 - .0980	0.0040
14 ga	.0721 - .0830	0.0040
15 ga	.0651 - .0720	0.0030
16 ga	.0581 - .0650	0.0030
17 ga	.0521 - .0580	0.0030
18 ga	.0461 - .0520	0.0030
19 ga	.0401 - .0460	0.0030
20 ga	.0351 - .0400	0.0020
21 ga	.0321 - .0350	0.0020
22 ga	.0291 - .0320	0.0020
23 ga	.0261 - .0290	0.0015
24 ga	.0231 - .0260	0.0015
25 ga	.0199 - .0230	0.0015
26 ga	.0178 - .0198	0.0015
27 ga	.0161 - .0177	0.0015
28 ga	.0150 - .0160	0.0015

WIDTH & LENGTH/Nothing under size

Widths < 48″ $+\frac{1}{16}$″ – 0. Widths ≥ 48″ $+\frac{1}{8}$″ – 0.
Lengths through 120″ — ¼″ over. Lengths over 120″ — ½″ over.

CAMBER/Roller leveled, not resquared

Widths through 36″: ⅛″ every 8 Ft. Widths over 36″: $\frac{3}{32}$″ every 8 Ft.

RYERSON

TOLERANCES

STAINLESS SHEET FLATNESS

Sheets not specified to stretcher leveled standard of flatness (exclusive of ¼, ½, ¾ and full hard tempers of 200 and 300 Series grades, dead soft and deep drawing sheets).

Thickness in Inches	Width in Inches	Flatness Tolerance (maximum deviation from a horizontal flat surface) in Inches
< 0.062	≤ 60	0.40
	> 60	0.50
≥ 0.062	≤ 60	0.40
	> 60	0.50

STRETCHER LEVELED

Sheets specified to stretcher leveled standard of flatness (exclusive of ¼, ½, ¾ and full hard tempers of 200 and 300 series grades).

Thickness in Inches	Width in Inches	Length in Inches	Flatness Tolerance (maximum deviation from a horizontal flat surface) in Inches
< 3/16	< 48	< 96	⅛
< 3/16	< 48	≥ 96	¼
< 3/16	≥ 48	< 96	¼
< 3/16	≥ 48	≥ 96	¼

STAINLESS PLATE THICKNESS — Plate Processed from Coil (CMP)

Thickness in Inches	Permitted Variations Over and Under in Inches	
	Widths ≤ 60 Inches	Widths > 60 Inches
3/16	Plus 0.013/Minus 0.013	Plus 0.014/Minus 0.014
> 3/16 to ¼	Plus 0.020/Minus 0.010	Plus 0.020/Minus 0.010
> ¼ to 5/16	Plus 0.022/Minus 0.010	Plus 0.022/Minus 0.010
> 5/16	Plus 0.030/Minus 0.010	Plus 0.030/Minus 0.010

Thickness measurements are taken at least ⅜ inches from the edge of the sheet

STAINLESS PLATE THICKNESS — PMP or Discrete Plate

Thickness in Inches	Tolerance over Specified Thickness in Inches			
	Widths ≤ 84 Inches	Widths > 84 to ≤ 120 Inches	Widths > 120 to ≤ 144 Inches	Widths > 144 Inches
0.1875 to < ⅜	0.045	0.050	0.085	—
⅜ to < ¾	0.055	0.060	0.085	0.090
¾ to < 1	0.060	0.065	0.085	0.100
1 to < 2	0.070	0.075	0.095	0.115
2 to < 3	0.125	0.150	0.175	0.200
3 to < 4	0.150	0.160	0.200	0.225
4 to < 6	0.180	0.200	0.335	0.335
6 to < 8	0.235	0.255	0.355	0.435
8 to < 10	0.315	0.335	0.435	0.550

Thickness is measured along the longitudinal edges of the plate at least ⅜ inches, but not more than 3 inches from the edge.
For plates up to 10 inches, excl, in thickness, the tolerance under the specified thickness is 0.010.
For plates of irregular shape, the over thickness tolerance apply to the greatest width corresponding to the width ranges shown.

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