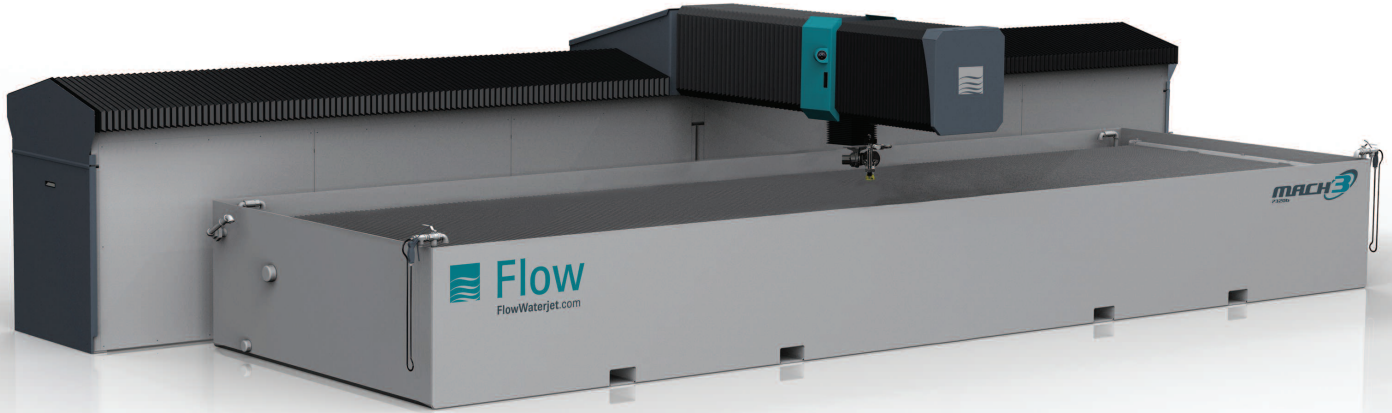




STAINLESS PLATE AND PROCESSING



STAINLESS PLATE AND PROCESSING

Plate coil, rougher mill plate, plate mill plate, non-standard thicknesses and widths in over 15 grades of stainless can be produced to your exact part geometry and tolerances with our extensive plate processing capabilities. Plate flanges, lifting lugs, tube sheets, weir plates, baffles, gears and numerous other shapes can be processed.

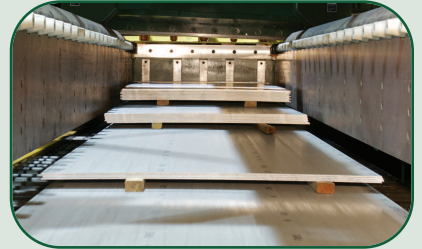
STAINLESS PLATE INVENTORY

- Plate inventoried through 6" thick in 304/304L & 316/316L
- Plate coil inventories from 3/16" through 1/2", in Alloy 20, 304, 304L, 309/S, 310/S, 321, 409 & Duplex 2205
- Multiple plate widths stocked including 36", 48", 60", 72", 78", 84", 96" and 120" wide
- Other 300 series inventoried include 303, 304, 304/L, 304/H, 309/S, 309/H, 310/S, 310/H, 316, 316/L, 317/L, 317LMN, 321/H, 330, 347/H
- 400 series stainless inventoried, including 405, 409, 410, 410S, 420 & 440C
- Duplex grades inventoried, including 2205, 2507 and LDX 2101
- Large inventory of 17-4PH plate, through 4" thick
- Prodec Plate© inventoried for improved machinability in 304/L & 316/L
- Diamond Plate stocked in 304, 304L & 316/L
- Polished Plate inventoried in 304D and 316D
- Nickel grades available

PROCESSING & SERVICE CAPABILITIES

- Plate coil processing to 78" of custom lengths with low order minimums
- Gauer processing of custom widths & lengths. 20' bars available
- Waterjet cutting up to 10' x 20' and 8" thick with reduced lead times
- Laser cutting of plate up to 1-1/8" thick with 13' and 62' cutting envelope
- Shear cutting through 3/4" thick x 20' long
- Plasma and high quality plasma cutting
- Kasto plate sawing
- Machine cut rings and discs
- Drafting expertise is on staff
- All stainless plate is shipped with original Material Test Reports

**NOW STOCKING
330 PLATE**



**WHY ORDER 60 X 144
PLATES IF YOU NEED A
CUSTOM SIZE OF 126? LET
PSP CUSTOM LEVEL YOUR
NEXT PLATE ORDER FROM
3/16", 1/4", 5/16" OR 3/8"
MATERIAL. ORDER MINIMUMS
MAY APPLY.**

PLATE MILL PLATE SPECIFICATIONS AND INFORMATION

Thickness Tolerances					
Gauge		LB/Sq. Ft.	LB/Sq In.	Gauge Tolerance	
				72" Wide	96" Wide
3/16	0.1875	8.579	0.05958	+.045" -.010"	+.050" -.010"
7/32	0.2187	9.870	0.06854		
1/4	0.2500	11.162	0.07750		
5/16	0.3125	13.746	0.09546		
3/8	0.3750	16.496	0.11456	+.055" -.010"	+.060" -.010"
7/16	0.4375	19.080	0.13250		
1/2	0.5000	21.633	0.15044		
9/16	0.5625	24.247	0.16838		
5/8	0.6250	26.831	0.18633		
11/16	0.6875	29.415	0.20427		
3/4	0.7500	32.123	0.22308	+.060" -.010"	+.065" -.010"
13/16	0.8125	34.707	0.24102		
7/8	0.8750	37.291	0.25897		
15/16	0.9375	39.875	0.27691		
1	1.0000	42.665	0.29628	+.070" -.010"	+.075" -.010"
1-1/8	1.1250	47.833	0.33217		
1-1/4	1.2500	53.001	0.36806		
1-3/8	1.3750	58.169	0.40395		
1-1/2	1.5000	63.337	0.43984		
1-3/4	1.7500	73.672	0.51161		
2	2.0000	84.008	0.58339	+.125" -.010"	+.150" -.010"
2-1/8	2.1250	89.610	0.62229		
2-1/4	2.2500	94.777	0.65817		
2-1/2	2.5000	105.113	0.72995		
2-3/4	2.7500	115.449	0.80173		
3	3.0000	126.301	0.87709	+.150" -.010"	+.160" -.010"
3-1/2	3.5000	146.972	1.02064		
4	4.0000	168.264	1.16850	+.180" -.010"	+.200" -.010"

This table lists the general industry standard specifications for Hot Rolled Annealed and Pickled (HRAP) stainless plate.

FLATNESS TOLERANCES OF PLATE MILL PLATE

Note 1 – Tolerances in this table apply to any length, not necessarily the rolling direction, up to 36 in. (914 mm) of the longer length in the plane of the plate measured while the plate rests on a flat surface with the concavity of the curvature upward.

Note 2 – If the longer dimension is under 36 in. (914 mm), the tolerance is not greater than 1/4 in. (6.4mm).

Note 3 – For plates with specified minimum yield strengths of 35 ksi (240 MPa) or more, the permitted variations are in-

Specified Thickness (t), in. (mm)	Flatness Tolerance for Thicknesses Given, in. (mm)
$t < 1/4$ (6.35)	7/16 (11)
$1/4 \leq t < 3/8$ (9.52)	3/8 (9.5)
$3/8$ (9.52) $\leq t < 1/2$ (12.70)	5/16 (7.9)
$1/2$ (12.70) $\leq t < 3/4$ (19.05)	5/16 (7.9)
$3/4$ (19.05) $\leq t < 1$ (25.40)	5/16 (7.9)
1 (25.40) $\leq t < 1-1/2$ (38.10)	1/4 (6.4)
$1-1/2$ (38.10) $\leq t < 4$ (101.60)	1/4 (6.4)
$t \geq 4$ (101.60)	1/4 (6.4)

creased to 1-1/2 times the amounts shown.



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