

# SPI STOCKS A HUGE VARIETY

of stainless steel grades, gauges & sizes (from 3/16" to 6" thick)—if we don't have it, we can get it.

Stainless Processing, Inc. has one concern—getting the customer's job produced perfectly and delivered on time. Our philosophy is to employ the best technicians, tools, machines and processes to produce exacting parts for customers in a variety of industries. Let our knowledgeable sales team turn our inventory into your plate product requirements.

## STANDARD HOT-ROLLED PLATE SPECIFICATIONS PER A480

Gauge	lb/sq ft	lb/sq in	Flatness Tolerance		Gauge Tolerance	
			72" wide	96" wide	72" wide	96" wide
3/16	0.1875	8.579	1.375"	1.625"		
7/32	0.2187	9.870			+0.045" -.010"	+0.050" -.010"
1/4	0.2500	11.162	1.125"	1.438"		
5/16	0.3125	13.746				
3/8	0.3750	16.496	0.750"	1.125"		
7/16	0.4375	19.080				
1/2	0.5000	21.633			+0.055" -.010"	+0.060" -.010"
9/16	0.5625	24.247	0.625"	1.125"		
5/8	0.6250	26.831				
11/16	0.6875	29.415				
3/4	0.7500	32.123				
13/16	0.8125	34.707	0.625"	0.813"	+0.060" -.010"	+0.065" -.010"
7/8	0.8750	37.291				
15/16	0.9375	39.875				
1	1.0000	42.665				
1-1/8	1.1250	47.833	0.563"	0.688"		
1-1/4	1.2500	53.001			+0.070" -.010"	+0.075" -.010"
1-3/8	1.3750	58.169				
1-1/2	1.5000	63.337				
1-3/4	1.7500	73.672				
2	2.0000	84.008			+0.125" -.010"	+0.150" -.010"
2-1/8	2.1250	89.610	0.500"	0.750"		
2-1/4	2.2500	94.777				
2-1/2	2.5000	105.113				
2-3/4	2.7500	115.449				
3	3.0000	126.301			+0.175" -.010"	+0.210" -.010"
3-1/2	3.5000	146.972				
4	4.0000	168.264	0.625"	0.938"	+0.250" -.010"	+0.300" -.010"
4-1/2	4.5000	188.935				
5	5.0000	209.606				
5-1/2	5.5000	230.277				
6	6.0000	250.948				



The **RIGHT PROCESSES** and **PRODUCTS** for **YOUR INDUSTRY.**



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[StainlessProcessing.com](http://StainlessProcessing.com)

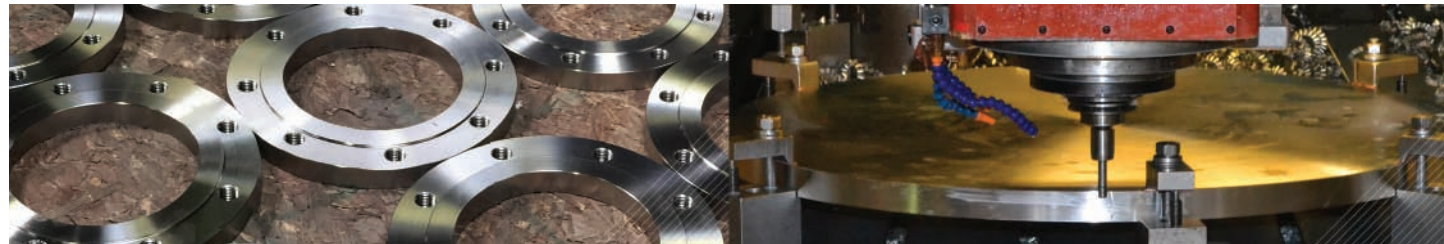


Every customer's plate product need is different because every industry and every project requires specific attention to application, material and process.

Stainless Processing, Inc. is always ready to discuss your product or part and to recommend the best process based upon our decades of experience.

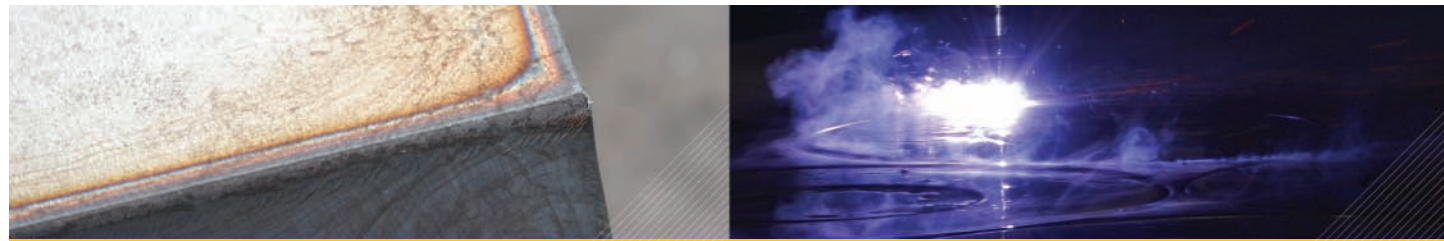
We provide the same level of care through the entire production process for every project that comes through Stainless Processing, Inc. Combining knowledge, experience, ingenuity and cutting-edge technologies, SPI delivers the highest-quality end result and top-quality products of all quantities, shapes and sizes at a competitive price

## Machined Products



The quality of Stainless Processing, Inc.'s machined plate parts really separates us from the competition. Our ability to machine up to 120.00" OD covers virtually all of our customers' needs, and the possibilities are unlimited when it comes to machining circular items in our full-line machine shop, with standard tolerances of 1/32" or closer upon request.

## Plasma-Cut Products



When customers request plasma-cut plate products, they are partnering with a company that has been combining precision CNC control with plasma torches for decades. Our high-definition plasma-cut plate parts can be produced with little or no finishing required and deliver with near-laser precision on edges.

## Water Jet-Cut Products



When a product's fabrication requires precise tolerance and low-heat affected areas, Stainless Processing, Inc.'s water jet cutting tables offer the best solution. Water jet-cut products often feature intricate profile details and tight tolerances.

# CAPABILITIES RUN DEEP

at Stainless Processing, Inc., where we can produce virtually any part from a variety of grades and thicknesses in stock. We produce small, we produce large...we produce with precision!

Depending on the finish dimensions, type, gauge and intended use, there are usually a number of ways to produce any given part or shape. Each method has its advantages, and our experienced sales team is ready to help you select the best quality, delivery and overall value cutting option for your application.

### WATER JET CUTTING



High-pressure water and the addition of abrasives cut a wide variety of stainless steel thicknesses with precision. Water jet cutting is often used when the application requires less heat be applied to the part.

### PLASMA CUTTING



An electrical arc is formed through an inert gas that is focused from a nozzle to the cutting surface, and the arc turns the gas into a precise plasma beam that accurately cuts through steel.

### MACHINE CUTTING



Often faster and less expensive than newer automated methods, machine cutting includes the in-line ability to drill, tap and machine all parts of a stainless steel plate.

### BEVEL CUTTING



Beveled edge cuts on stainless steel plate is done in-line as parts are manufactured. Our computer-controlled plasma cutting machines feature bevel cutting capabilities that allow for very diverse and precise angled cuts on any edge of steel plate.

Whenever you make anything out of stainless, regardless of grade, you always start with the most economic form of one of these, depending on the desired finished product.

The options are **Castings**, **Forgings**, **Coil** and **Flat Rolled Plate**. **Castings** are inexpensive but have less than desirable grain structure and mechanical properties. **Forgings** properties are comparable to Plate but lead times are extended. The **Coiling** process induces stress, which can cause problems when being cut or formed. **Flat Rolled Plate** is cost effective, readily available and has positive physical and mechanical properties.

*We keep an extensive inventory of prime ASTM A240/ASME SA240 stainless steel plate on hand, and all material may be cut to virtually any shape you require. See our website for more information.*



Not Sure Where to Start? Call [800] 345-8126 to talk to one of our helpful representatives, or visit [StainlessProcessing.com](http://StainlessProcessing.com).