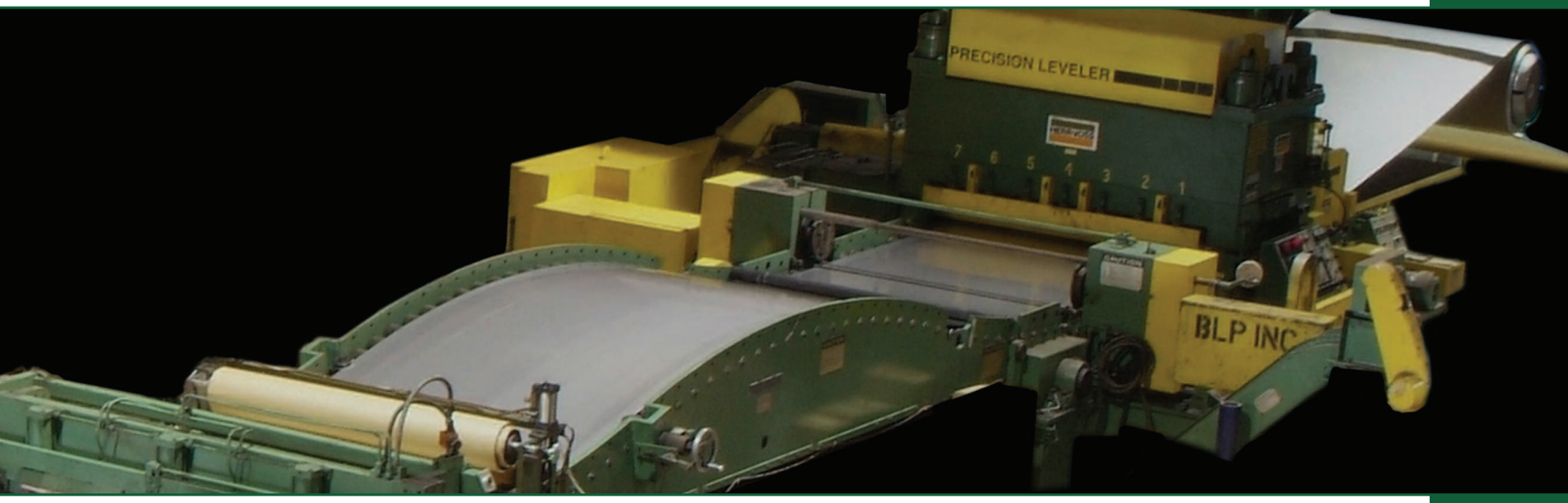
Stocking Tempered Sheet



Penn Stainless is ready to process and fill your next sheet requirement. Utilize our full processing capabilities and inventory of coil & sheet stock in a variety of widths and gauges, in more than 20 grades of stainless. Whether you need pattern sizes or cut-to-size parts and shapes, let Penn Stainless fill your order. Call, fax or email our sales representatives for pricing and delivery information. Visit us online at **www.pennstainless.com** to view our complete inventory of plate, bar, tubular and stainless structural products.

Stainless Sheet Inventory

- Many coil widths and gauges available in 304, 304L and 316L in 2B and polished finishes
- High-temperature stainless grades 309S & 310S
- 321 and 347
- Duplex 2205
- 400 Series, including 409 / 410 / 430
- 304 #8 Mirror finish (non-directional)
- 316L #4 Polished sheet
- 17-4PH & 17-7PH
- Tempered sheet 301-1/4, 1/2 and full hard available

Processing and Service Capabilities

- CNC shear cutting – 1 piece or 1000 pieces – we will shear your order
- Multiple waterjet tables to cut intricate part geometry with precision tolerances
- Coil processing of custom lengths with low order minimums
- Special polishing available upon request
- Export packaging available
- Original Mill Test reports

Why order 48x120 stock sheets if you need a custom size of 48x104? Let PSP custom-level your next order.

Stainless Sheet Gauges & Finishes

Sheet

It is the industry practice of Penn Stainless Products, Inc. customers to order sheet to a “Gauge”. This number is commonly used in the industry and references a specific thickness. The gauge number and thickness may vary between suppliers. The following table shows the conversions utilized by North American Stainless. The tolerances are from ASTM A480-05, Table A2.5.

Sheet can also be ordered to different finishes. A description of the standard finishes follows. Penn Stainless Products will outsource the special polishing requirements for our customers when necessary.

		Permitted Variation in Over and Under for specified width in inches			
Sheet Gauge to Thickness Conversion		Less than 40"	40" to Less than 50"	50" to less than 84"	WT Per Sq/ft
7 GA	0.1875”	0.007	0.007	0.0075	7.877
8 GA	0.1650”	0.007	0.007	0.0075	6.931
10 GA	0.1350”	0.007	0.007	0.007	5.670
11 GA	0.1200”	0.007	0.007	0.007	5.040
12 GA	0.1050”	0.005	0.005	0.006	4.410
13 GA	0.0900”	0.004	0.004	0.005	3.780
14 GA	0.0750”	0.004	0.004	0.0045	3.15
16 GA	0.0600”	0.004	0.004	0.0045	2.52
18 GA	0.0480”	0.003	0.003	0.004	2.016
20 GA	0.0360”	0.0025	0.0025	0.003	1.512
22 GA	0.0300”	0.002	0.002	xxxx	1.260
24 GA	0.0240”	0.002	0.002	xxxx	1.008
26 GA	0.0180”	0.0015	0.0015	xxxx	0.756
28 GA	0.0150”	0.0015	0.0015	xxxx	0.6301
30 GA	0.0120”	0.001	xxxx	xxxx	0.5000

Standard Mechanical Sheet Finishes

Unpolished or Rolled Finishes	
No. 1	A rough, dull surface, which results from hot rolling to the specified thickness, followed by annealing and descaling.
BA Bright Anneal	The bright annealed mill surface is obtained by annealing the material under an atmosphere so that scale is not produced on the surface.
No 2D	A dull finish which results from cold rolling followed by annealing and descaling, and may perhaps get a final light roll pass through unpolished rolls. A 2D finish is used where appearance is of no concern.
No. 2B	A bright, cold-rolled finish resulting in the same manner as No.2D finish, except that the annealed and descaled sheet receive a final light roll pass through polished rolls. This is the general-purpose cold-rolled finish that can be used as is, or a preliminary step to polishing.
Polished Finishes	
No. 3	An intermediate polished surface obtained by finishing with a 100-grit abrasive. Generally used where a semi-finished polished surface is required. A No. 3 finish usually receives additional polishing during fabrication.
No. 4	A polished surface obtained by finishing with a 120-150 mesh abrasive, following initial grinding with coarser abrasives. This is a general purpose bright finish with a visible "grain" which prevents mirror reflection.
No. 6	A dull satin finish having lower reflectivity than No 4 finish. It is produced by Tampico brushing the No. 4 finish in a medium of abrasive and oil. It is used for architectural applications and ornamentation where a high luster is undesirable, and to contrast with brighter finishes.
No. 7	A highly reflective finish that is obtained by buffing finely ground surfaces but not to the extent of completely removing the "grit" lines. It is used chiefly for architectural and ornamental purposes.
No. 8	The most reflective surface, which is obtained by polishing with successively finer abrasives and buffing extensively until all grit lines from preliminary grinding operations are removed. It is used for applications such as mirrors and reflectors.

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Printed in U.S.A. PSP-012G AP-2M-08-13