



Laser Quality Plate Products

Laser cutting is a thermal cutting process that uses a focused beam of laser energy to separate the material by locally melting/vaporizing metal. A stream of high purity/high pressure oxygen to clean the cutting area and provide supplementary energy to enhance the cutting process usually assists the process.

Some Advantages of Laser Cutting

- Consolidation of operations (blanking, nibbling, punching and drilling)
- High speed to improve productivity while providing high yield (less scrap)
- Easy part removal
- Reduced dross adhesion
- Smoother cut appearance and dimensional control, which allows improved part fit up for welding
- Less distortion of cut pieces
- Non-contact process (no tool wear)
- Less fumes and radiation

Attributes of Laser Quality Plate Products

- Special chemistry control in steelmaking and casting
- Excellent surface quality with uniform low scale thickness that is tightly adherent
- Exceptional flatness and dimensional control
- Plate with reduced residual stress state that is balanced about the mid-thickness

Available Sizes

Thicknesses range from 0.188 to 1.5” (4.8 to 38.1 mm) in widths 72 to 120” (1,830 to 3,048 mm).



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Available Products

As-rolled, cut-to-length and discrete plate, as well as heat-treated plate. Products include ASTM A36 to A514-Grade B, and proprietary products such as ST 100XF and AR 400F.

Flatness

Most products guaranteed to meet ½ ASTM A6 flatness tolerances. Please inquire on flatness tolerance.

Sales Contacts

For sales information, please call 877-722-2589 (Southern USA and Mexico), 800-340-5566 (Western and Central USA), 800-383-9031 (North Central USA), and 888-576-8530 (Northeast USA & Canada) or consult www.ssab.com