


Wider, Thicker, Longer, Lighter, Stronger,

Stainless Plate





New Castle Stainless Plate can acquire domestically produced slab and manufacture the plate in the US. We can, in many instances, meet Buy American requirements for many federally funded projects.

Buy American



Commitment to Customers

New Castle Stainless Plate, LLC is a unique organization in the steel industry. We are owned, in part by our senior leaders, who take tremendous pride—every day—in selling, producing, and delivering world-class stainless plate. Our operations focus on safety, cost efficiencies, and on-time delivery—the hallmarks of our New Castle mill. We lead the industry with the absolute highest quality specialty and standard grade stainless steel plate. And our portfolio represents some of the widest, longest, and thickest stainless plate dimensions available in North America.

Company Facts

New Castle Stainless Plate, LLC

Founded: 2017

Located: New Castle, Indiana

Employees: 100+

Focus: Specialty and standard stainless steel plate

Mill: 416,500 sq ft production space on 128 acres

Equipment: Two, semi-continuous lines including a 120" wide line

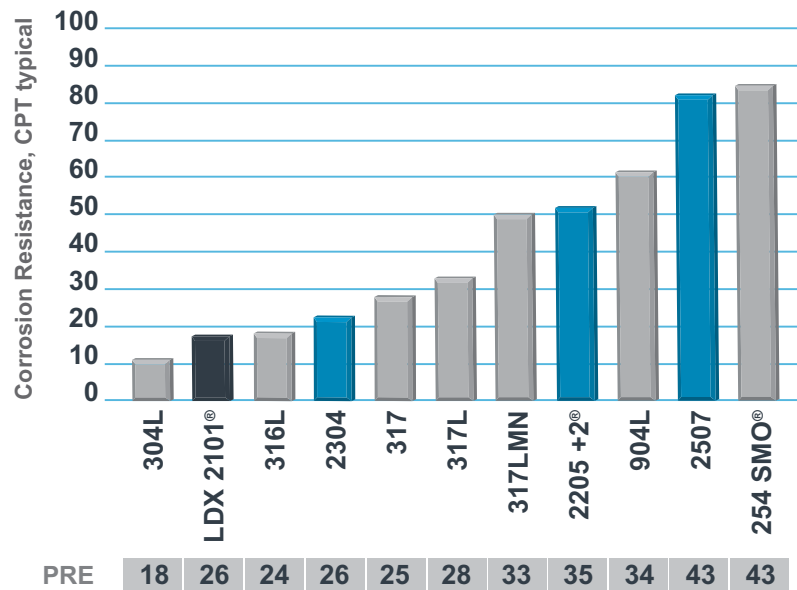
Extensive Portfolio

New Castle Stainless Plate offers one of the broadest portfolios in North America with tremendous size range. Our tailor-made standard and specialty grades are available in thicknesses from 3/16" to 6" (4.76 mm – 150 mm); in widths up to 144" (3.5 m); and in lengths up to 420" (10.5 m). The New Castle mill has a reputation for achieving exceptionally high quality plate in terms of internal micro-cleanliness, flatness tolerances, and surface condition.

Our key grades include the following:

- Austenitic: 303, 304, 304H, 304L, 304LN, 316L
- 317L, 317LM, 317LMN
- 904L
- 254 SMO, 4529 (N08926, N08367)
- Duplex: 2205 Code Plus Two®
- LDX 2101®, 2304
- 2507
- Heat Resistant: 347/H, 321/H
- 309, 309S, 309H, 310, 310S, 310H
- 253MA
- PRODEC
- Martensitic: 410
- Ferritic: 410S

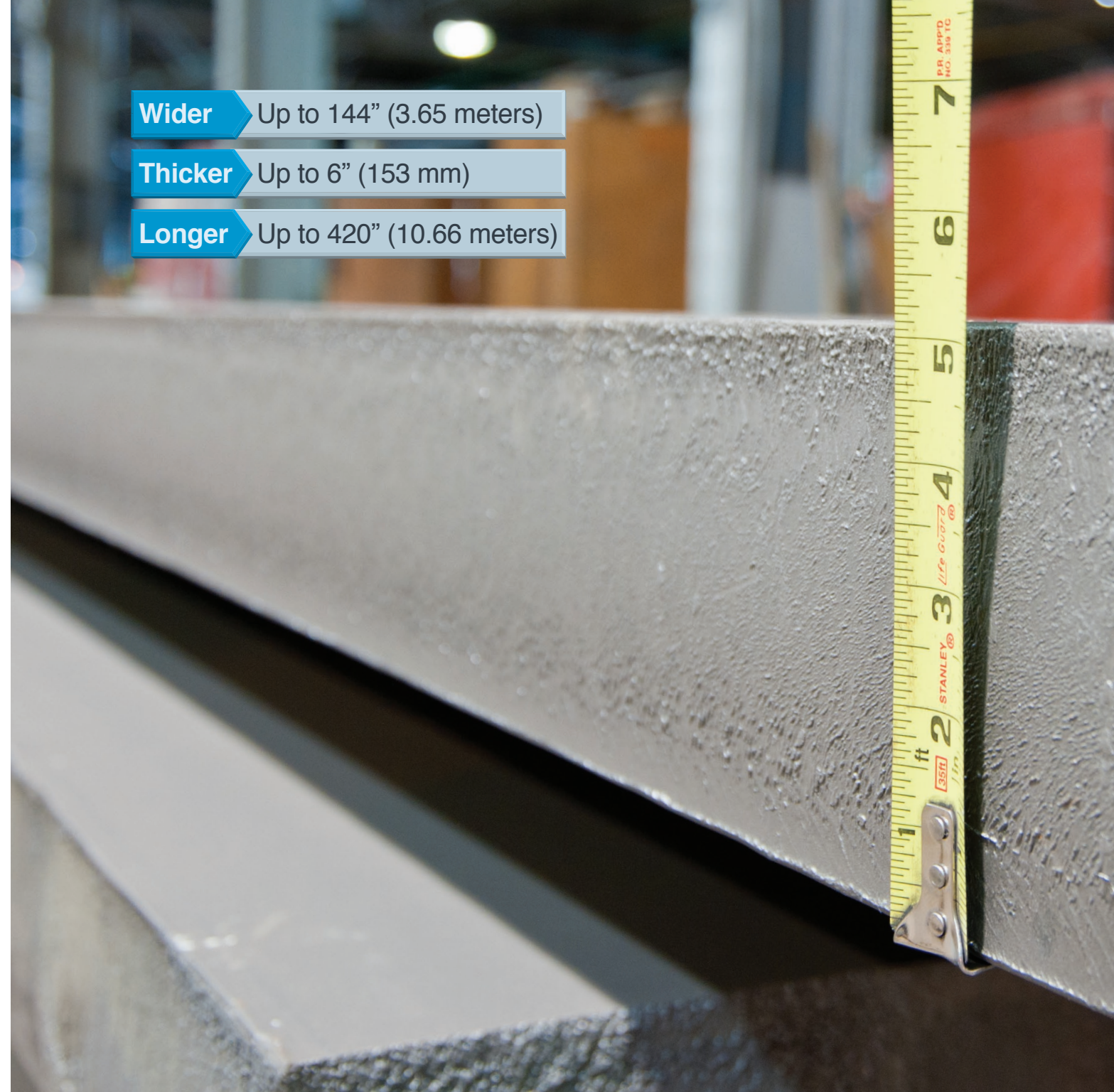
New Castle Stainless Plate offers grades with an increasingly greater level of corrosion resistance.



Wider Up to 144" (3.65 meters)

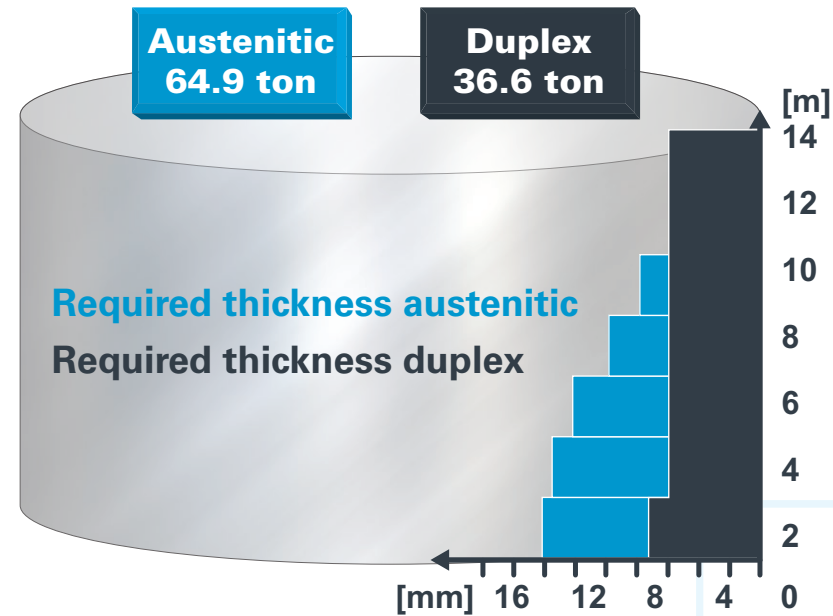
Thicker Up to 6" (153 mm)

Longer Up to 420" (10.66 meters)



Lighter and Stronger

Several of our duplex grades are specified for applications like storage tanks where increased mechanical strength can sometimes translate into reduced thickness. This can also mean lower material cost for end users. With some of the widest and thickest plate available in North America, our plate products deliver dimensional advantage that can mean reduced welding time and expense for customers and fewer areas for weld inspections.



Impressive Applications

Our products are used in a wide range of end markets including infrastructure, transportation, power generation, heavy chemical industries, water processing, mining, and the oil & gas sector. The proven features of New Castle Stainless Plate products have benefited a number of applications and industries, including:

- Lighter gauge plate for better cost and manufacturing efficiencies in transportation tanks and in municipal tanks
- High corrosion and heat resistance for solar plant storage tanks
- Stronger resistance to corrosion and pitting for use in zero-liquid discharge (ZLD) units for power stations
- Closer tolerances and improved machining for production machines in the semi-conductor industry
- Close flatness tolerances for use in a towering, 270-foot public memorial
- Weldability and high polish potential for use in 110-ton “bean-shaped” public sculpture





Best-in-class delivery performance



1/2 ASTM flatness tolerance up to 96" wide



Commitment to Quality

The New Castle Stainless Plate mill sits on hallowed ground when it comes to steelmaking. More than 100 years ago the location was a rolling mill for shovels and plows destined for Midwestern farms and fields. Now the mill is a state-of-the-art example of stainless production supported by a technical team with world-class knowledge of the standards and applications relating to our stainless grades. In 2010, the New Castle mill completed a \$58 million capital investment program that increased on-time delivery, improved quality and consistency, and made for safer and more environmentally responsible operations. The upgrades included new equipment to streamline the plate production process, including a new ASBF line (with in-line annealing, shot blasting, and leveling) and improvements to the 120" wide line.

Mill Capabilities

- Two, semi-continuous lines including a 120" wide line
- New ASBF line with in-line annealing, shot blasting, and flattening/leveling
- Plasma cutting
- Spray pickling up to 144"
- Plate grinding designed for specialty grades
- 16,000 sq ft shipping bay with a crane capacity of 70 tons for indoor loading
- Environmental controls upgrades
- Relentless focus on safety and continuous improvement



New Castle

Stainless Plate, LLC

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New Castle Stainless Plate, LLC provides specialty and standard grades of stainless steel plate in some of the widest, thickest, and longest dimensions in North America. The mill portfolio includes key grades that offer significant weight savings as well as high mechanical strength for lighter and stronger stainless. End markets include infrastructure, transportation, power generation, heavy chemical industries, water processing, mining, and the oil & gas sector. The company, which employs 100+, is American-owned and based in New Castle, Indiana.

LDX 2101 is a trademark of Outokumpu Stainless.
2205 Code PlusTwo is a trademark of Outokumpu Stainless, Inc.