NobelClad™

Plates for Pipe Products

CLAD PLATES FOR PIPE PRODUCTS

NobelClad uses its explosion welding process to manufacture clad plates used for the production of longitudinally welded clad pipes. These pipes are used in the oil and gas production and processing industry when corrosion properties are required that cannot be achieved by carbon steels. These large diameter clad pipes are often used for flow lines, riser, slug catcher and all kinds of pipes between wells and production facilities that contain uncleaned and highly corrosive natural gas or crude oil. They are also increasingly used in hydrocarbon and chemical processing facilities; substituting pipes made from solid stainless steels or solid nickel base alloys, a cost savings advantage of using clad metal.

ADVANTAGES OF EXPLOSION CLAD PIPE

- Cold welding process maintains corrosion properties of the clad materials.
- Clad metal plates can be made up to 3.5m wide in 13m lengths in almost any metal combination. Thickness range from 12.5mm to as thick as desired.
- Able to clad both sides when there is a need for inside and outside corrosion protection.

NOBELCLAD'S EXPLOSION WELDED PLATES ARE 100% INSPECTED AND CERTIFIED TO INDUSTRY PIPELINE STANDARDS.

COEXTRUDED PRODUCTS FOR BOILERS

- Explosion welded bond ensures very high shear strength and reliable heat transfer.
- Explosion welded clad billets ensures a high level of process reliability.
- Through extrusion, the resulting thin clad surface maximizes heat transfer.

INDUCTION BENDING

- High bond strength and excellent bonding quality ensures induction bending without the danger of disbonding.
- Customized backing material adapted to the bending process and subsequent heat treatment.
- NobelClad's technology allows for the production of large volumes of identical plates for pipe and custom plates in small quantities for bends.

NobelClad™

Plates Products

ABOUT PLATE PRODUCTS

NobelClad manufactures explosion welded clad from virtually any combination of commercially available metals or alloys. The clad can then be provided as high quality clad plates, heads and tubesheets for pressure vessels, heat exchangers, condensers, autoclaves and tanks. Sizes are limited only by availability of materials and transportation restrictions.

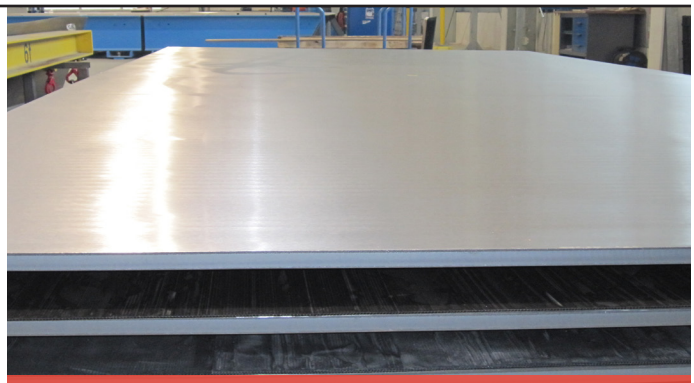
PRODUCT CAPACITY

Size limits will vary with alloy types and thicknesses. Typical maximums are presented. Parts larger than those listed to the right may be produced for specific applications. Contact us for details.

QUALITY SYSTEM & CODES

NobelClad's Quality System is ISO 9001-2015 Certified. Clad products are manufactured in accordance with internationally recognized design codes including ASME, PED, industry, and customer-specific requirements.

NOBELCLAD CAN CLAD OVER 260 COMPATIBLE AND NON-COMPATIBLE ALLOY COMBINATIONS.

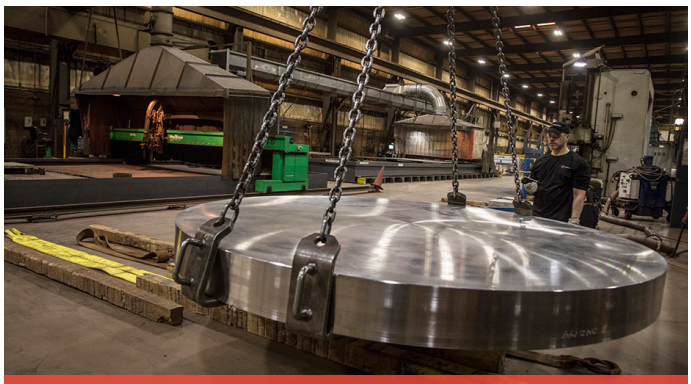


Clad plates

Length - up to 15m
Width - up to 5m
Clad alloy thickness - up to 50mm base metal
Thickness - no practical limit
Comply with ASME Code Sections II & VIII
Up to 50 tons

Vessel heads & cylinders

Diameter - single piece heads to 3.5m (alloy dependent), segmental unlimited size
Hot and cold forming depending on alloy
Comply with ASME Code Sections II & VIII



Tube sheets

Clad alloy thickness - up to 50mm
Base metal thickness - 10mm with no upper limit
Diameter - up to 5m
Comply with ASME Code Sections II & VIII