



Welding

Brück

Brück is specialized in the design, manufacture and supply of a large range of seamless rolled rings, special flanges, nozzle forgings and other flange related products.

Brück produces seamless rolled rings and final machined forged products with a maximum outside diameter of 6.400 mm, a height of 1.750 mm and/or a maximum forging weight of 40 tons. Our products and overlay welding services are

applied in a wide variety of branches and industries including:

- Oil & Gas Industry
- Energy & Power Generation Industry
- Hydrocarbon & Chemical industry
- Aviation & Aerospace
- Load transmission
- Deepsea & Subsea



Overlay Welding

Many structural components are required to operate under extreme conditions with respect to pressure, temperature and corrosive/ erosive environments.

Instead of using expensive high alloy materials to construct these components, it is also possible to simply apply a layer of the high alloy material on those surfaces of the base material which need specific mechanical and physical characteristics.

One of the most popular and cost-effective methods to apply this layer of high alloy material is overlay welding. Frequently used in this process are nickel based alloys, such as F316L and Inconel 625.

Brück has many years of experience in this technique and recently, we have further expanded our welding capacity based on increasing market demands and remain leading Demands as well as to remain innovating in this field.



Hot wire pulse TIG Overlay welding

The Hot-Wire Pulse TIG process is our answer to the growing demand for 'zero defect' overlay welded surfaces.

Brück offers this welding process as an addition to the other overlay welding services like Cold Wire TIG Welding, SAW, MIG and Electro Slag Welding.

The 'zero defect' requirement is compulsory to products used for highly corrosive and erosive applications and in situations where a possible leakage will lead to unacceptable environmental damage.



Advantages

With Brück as your partner in business you will have the advantage of having it all under one roof:

- Design and Engineering
- Extensive Material Stock
- Ring Rolling and Forging
- Metallurgical Expertise
- Overlay Welding
- Pre- and Final Machining
- Assembly
- FAT and Qualification Testing



Welding

Capabilities

Our welding facilities can handle products up to the following dimensions;

- Maximum diameter: 6.000 mm
- Maximum height: 3.000 mm
- Maximum weight: 50 tons

With our CNC-controlled equipment we are able to perform overlay welding on 3-dimensional, curved surfaces and edges.

Of course, we have all the state-of-the-art, NDT-facilities available in order to assure the 'zero defects' requirement.



Applications

Overlay welding is used for a wide variety of applications. We provide cladding and overlay of flanges and forgings as well as joint welding of parts on complex components. We provide a broad range of cladding and welding services for many industries including ;

- Oil & gas
- Energy & Power Generation
- Hydrocarbon & Chemical industry
- Valves
- Flanges



Contact

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