

## Valves

### Creative Technology

When technical and metallurgical requirements become increasingly demanding and standard solutions are no longer sufficient; Brück is the right company to turn to for custom made solutions for all your valves. With its many years of experience in the field, Brück has proven to be a reliable partner who will go the extra mile in order to help you reaching your goals.

Our specialists cover the entire spectrum and are able to assist you in all critical technological aspects of your business. For the valve industry we produce, amongst others:

- Forged Valve Bodies
- Spherical Forgings
- High Pressure Valves
- Pump Bodies



### Custom made

Brück offers a partnership in the design, manufacture and supply of valves and all other of your critical parts. We produce final machined, forged products with a maximum outside diameter of 6.400 mm, a height of 1.750 mm and a maximum forging weight of 40 tons. Our valves

are applied in major industries where reliability and quality are the main reasons for the choice of a certain production process or material, including:

- Oil & Gas Industry
- Energy & Power Generation
- Hydrocarbon & Chemical Industry



### Machining

Our forging department is supported by an extensive machine shop, able to fulfill your requirements however complicated or challenging these requirements for your valves may be.

- Machining tolerances of a few hundredths mm
- Surfaces up to Radius of 0,3 µm
- Fully machined items up to 6.600 mm in diameter

- Heights up to 4.500 mm
- Finished weight up to 250 tons per piece

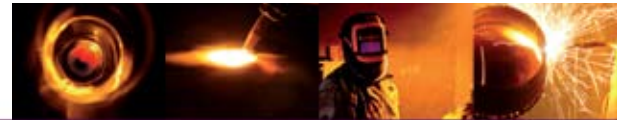
Logistically we can make the virtually impossible happen with our express delivery in 6 -15 working days!



### 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



## Valves

### Overlay Welding

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

For valves in corrosive and erosive applications or in environments where leakage of the equipment will lead to unacceptable environmental damage, weld overlay can be the preferred solution.

Brück offers Hot Wire TIG Welding as an addition to our other welding services like Cold Wire TIG Welding, SAW, MIG and Electro Slag Welding.

Examples of weld overlay materials:

- Inconel 625
- F316
- Stellite



### Materials

A wide variety of materials is another essential strength of Brück. We can offer our customers:

- Decades of experience in the range of hotforming, heat treatment and mechanical treatment in more than 1.000 material varieties

- On the average 20.000 tons of rough material in over 400 different material grades on stock
- Materials ranging from carbon steel and stainless steel up to high-alloy steels, nickel-base alloys, aluminium and titanium as standard materials.



### Contact

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