







Corrosion resistant pipes

-  Corrosion resistant pipes
-  Special pipes and components ready for installation
-  Clad pipes
-  Spools and components in CRA or clad materials
-  Vessels, tanks and apparatus
-  Assemblies



BUTTING



Corrosion resistant pipes

The focus of BUTTING's business activities is the production of high-quality longitudinally welded pipes made from stainless steels. Few companies in Europe can point to such long-standing experience and diversity in the production of pipes.

BUTTING offers you excellent value for money.
Our name is a by-word for reliability and high quality.

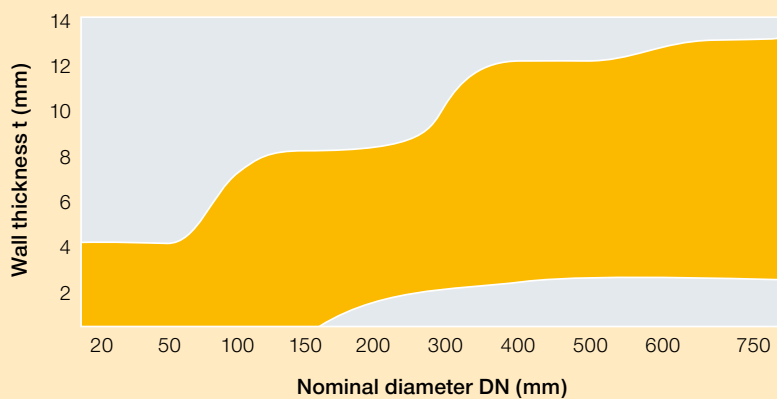


A wide range of effective production facilities offers you a large number of possibilities: :

- We produce corrosion resistant pipes with outer diameters from 15 to 2 032 mm (80") and wall thicknesses up to 70 mm
- Pipes are made from special alloys, titanium or clad materials
- Pipes with demanding tolerance requirements
- Pipes in special geometric shapes
- Pipes according to internationally valid standards, including DIN, DIN EN, DIN EN ISO, Norsok, API and ASTM, Shell, Saudi Aramco and DNVGL-ST-F101
- Standard pipes can be supplied at short notice from our varied range of stock



Production options for pipes made from coil



No guarantee for correctness

Standard production options;
other diameters and wall thicknesses

Economical production: pipes manufactured from coil

The fully-automated production process from coil is the most technically sophisticated and economical process for manufacturing longitudinally welded pipes. As well as standard sizes, we produce pipes customised to your requirements, for example in intermediate sizes, special materials or to particular tolerance requirements.

On several production lines, BUTTING produces pipes in outer diameters ranging from 20 to 762 mm, with wall thicknesses up to 12.7 mm.

The standard lengths are 6 or 12 m. Fixed lengths or lengths up to a maximum of 18 m can be produced in a number of sizes without circumferential welding.

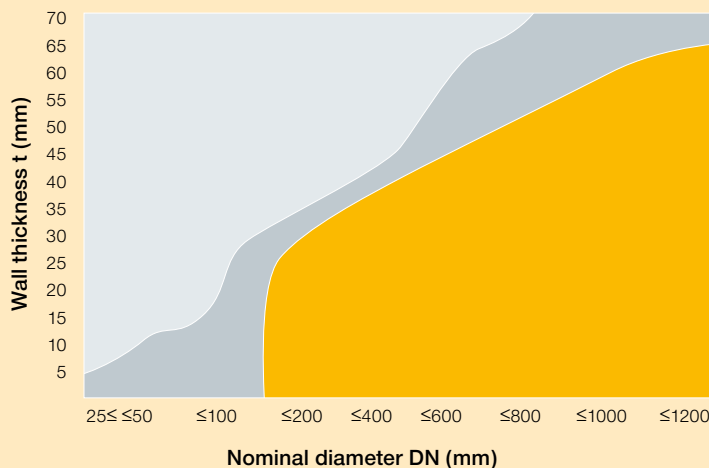
We use all the current welding processes, and the major ones are:

- TIG process
- Plasma / TIG process
- Laser beam welding process



Plates are edged or formed and then welded into pipes

**Production options for pipes made from plate
(not including the feasible circumferential welding)**



No guarantee for correct-

- Standard production options for lengths up to 6 m
- Standard production options for lengths up to 12 m
- Other diameters and wall thicknesses available on request

Pipes manufactured from plate customised for you

BUTTING produces longitudinally welded pipes with wall thicknesses of up to 70 mm and an outer diameter of up to 2 032 mm (80") from individual steel plates. We produce lengths of up to 24 m. For example, this procedure is used if you order project-specifically small quantities in special sizes, special materials or in clad materials.

Coordinate all the technical product features of the pipes for your project with us, for example

- Size
- Tolerances
- Material
- Testing requirements
- Mechanical and technological properties

In that way we can optimise our BUTTING products to meet your needs!



Diversity of materials

BUTTING produces pipes from stainless steel. This focuses partly on the area of special alloys. We have considerable experience and expertise in forming, joining and heat treatment. This benefits our customers from many industries.

BUTTING's manufacturing programme offers you a broad spectrum of high-quality materials for specific corrosive applications.

Select from:

- Ferritic-austenitic steels
- Austenitic steels
- Austenitic special steels
- Heat-resistant steels
- Highly corrosion resistant steels
- Ferritic steels
- Copper nickel alloys
- Titanium alloys
- Clad materials



Quality criterion: surface

A prerequisite for the corrosion resistance of stainless steels is a clean metallic surface. To achieve this, the pipes at BUTTING are always subjected to chemical full body pickling.

In addition to chemical surface treatment, your project-specific requirements can be met by mechanical processes such as:

- Grinding the external and internal surfaces
- Blasting the external and internal surfaces
- Specific roughen of the inside surface by raumatic finishing

Depending on customer request we realise external and internal surfaces



Living quality: from raw material ordering over production to packaging and dispatch

BUTTING products meet the highest quality requirements

Quality to a standard

The quality management system at BUTTING is certified according to DIN EN ISO 9001 by DNV GL. We hold many other licences – from customers as well. In order to ensure that we meet project-specific demands, a wide range of testing equipment is available for destructive and non-destructive tests. We supply pipes according to international standards, including DIN EN, ASTM, NORSOK, API, Saudi Aramco and DNVGL-ST-F101.

Our high-quality pipes are in use all over the world, for example as

- Chemical industry pipes
- Process pipes in the oil and gas industry
- Piggable pipes
- Food industry pipes
- Pharmaceutical industry pipes
- Fuel lines in the aerospace technology

You too can rely on our products!



Rapid availability through components in store

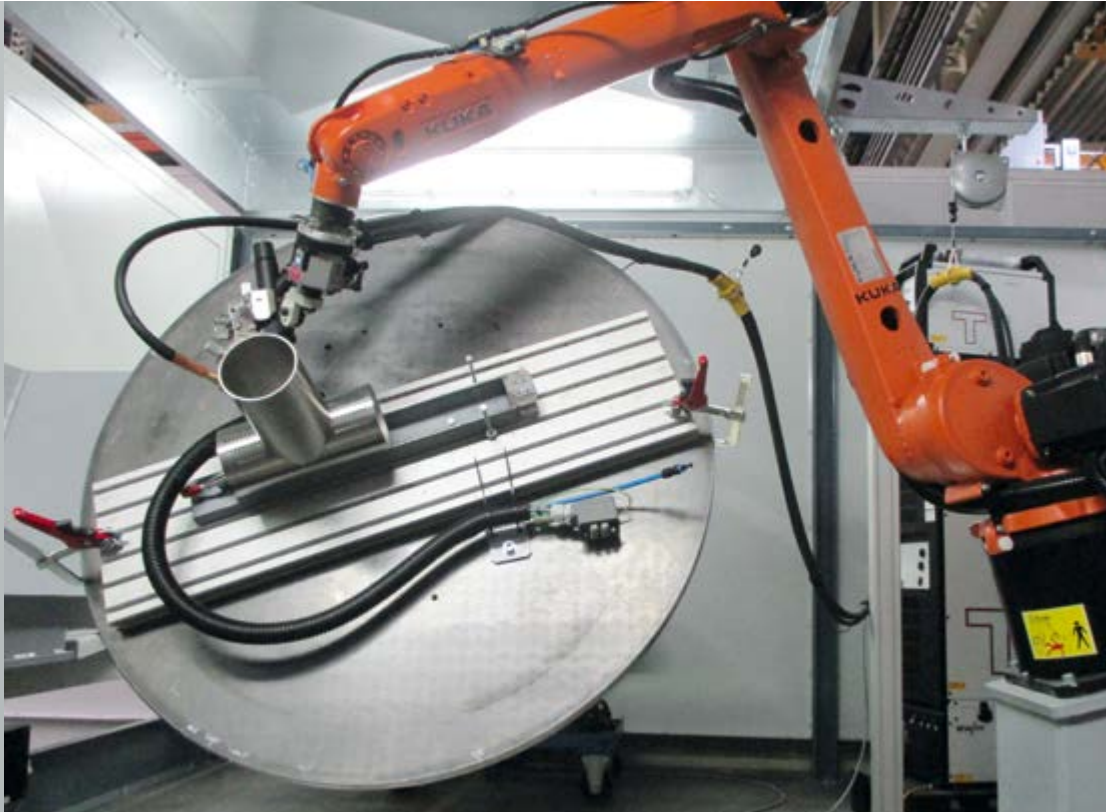
BUTTING stores ordinary 5 000 t pipes:

- In more than 140 different sizes
- From DN 15 to DN 800
- According to DIN EN, ISO and ASTM
- In 15 different material grades

Our capabilities are demonstrated in a wide selection of products. The strengths of our store are supplemented by our comprehensive services. These include for example the production of fixed lengths, supplementary quality control, special bevelling or individual marking.

The products in our store include pipes with the following quality criteria:

- In 1.4541/1.4571/1.4307/1.4404 acc. to DIN EN 10217-7
- In 1.4462/ UNS S31803/UNS S32205 acc. to ASTM A928/A790
- In 1.4410/UNS S32750 acc. to ASTM A928
- In 1.4539 acc. to DIN EN 10217-7
- In TP 304L/TP 316L acc. to ASTM A312/A358
- Acc. to EN 10357 (food technology)
- In 1.4307/1.4404 acc. to DIN 2430-1 (piggings technology)



Customised machining

Does your project require special additional processing? Our high quality pipe is also the base product for manufacturing high-quality special pipes and components ready for installation.

Our combination of modern production technology, craft skills and years of experience allows us to

produce for you special pipes with particular

- Surfaces
- Tolerances of form and position
- Mechanical processing
- Laser processing
- Forming processes
- Geometries

The combination of these produces your components ready for installation.



BUTTING is your expert for piping systems – from planning stage over manufacturing and laying to installation at site

Prefabrication guarantees product quality:
coiled pipe for a biodiesel plant



Prefabricated pipelines

The prefabrication of pipelines is a form of installation moved forward into the production plant. BUTTING offers its customers very far-reaching and efficient prefabrication of stainless steel pipelines according to isometric drawings, pipe plans and models.

In projects all over the world, companies put their money on the long-lasting reliability of our ready to lay BUTTING piping systems.

BUTTING offers you pipelines ready for installation with:

- Optimum product quality
- Great cost-effectiveness
- Increased flexibility
- Smooth project completion
- Improved environmental friendliness
- Completion of installation

– more than pipes –

ООО «ТИ-СИСТЕМС» ИНЖИНИРИНГ И ПОСТАВКА ТЕХНОЛОГИЧЕСКОГО ОБОРУДОВАНИЯ
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