

## Supply range

### Pipe bending plant

#### Bending radius

Infinitely variable between 200 and 10,000 mm ( $R_m = 1.2 \times D$  to  $10 \times D$ ); in special cases, greater bending radii are also possible.

#### Bending angle

Up to 180°, depending on the pipe size, material and bending radius.

#### Shapes

Induction-bent steel pipes, with or without tangent lengths, are available as:

- single bends and
- multiple bends, e.g. swan-necks or three-dimensional bends.

#### Starting pipes and materials

Our pipe bends are chiefly made from straight steel pipes specifically manufactured to project requirements within the Salzgitter Group.

The pipe material can be selected from our complete range, including:

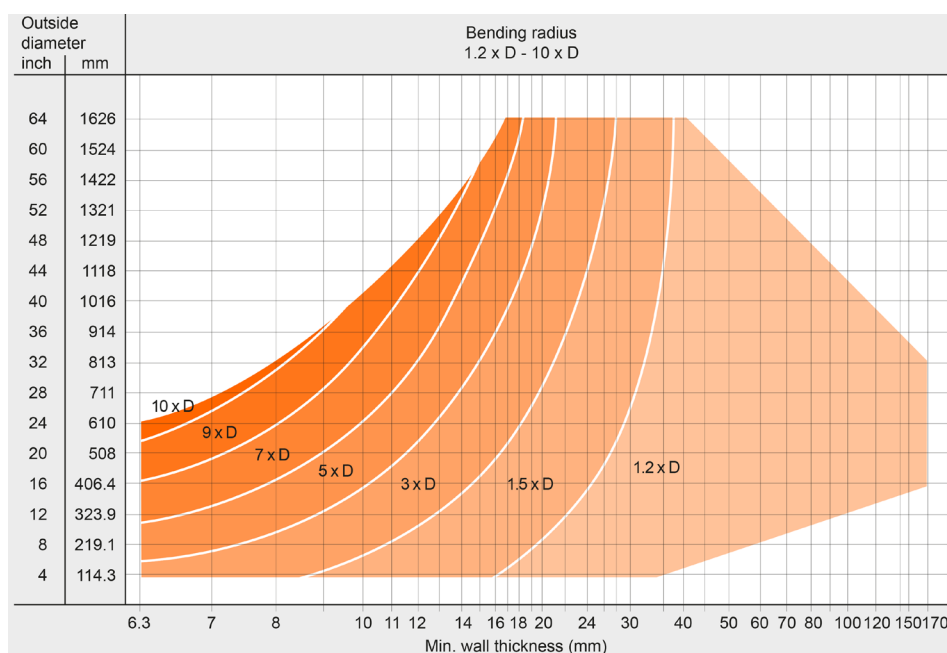
- line pipe steels up to Grade L555 / X80
- power plant steels (high-temperature and high-strength high-temperature steels) up to P91 / P92
- structural steels
- stainless steels
- duplex and super duplex pipes
- internally clad pipes

#### Additional services

- heat treatment (QT, N, solution annealing)
- pipe end machining (also for adaptors/transition pieces)
- pipe bend coating/lining (PUR, epoxy resin, PE, PP, FBE)
- packaging (on pallets, in crates or clamped packaging)
- delivery to site

*The pipe bending plant is certified according to ISO 9001, ISO 14001, ISO 50001 and BS OHSAS 18001.*

#### Pipe bends in ferritic steels\*



\* Supply range of pipe bends in austenitic steels on request.

**Salzgitter Mannesmann Grobblech GmbH**  
**Rohrbiegewerk**  
Sandstraße 140  
45473 Mülheim an der Ruhr  
Germany  
[www.rohrbiegewerk.com](http://www.rohrbiegewerk.com)

**Sales contact:**  
**Michael Giesen**  
Phone: +49 208 458-4637  
Fax: +49 208 458-1512  
E-Mail: [michael.giesen@smgb.de](mailto:michael.giesen@smgb.de)



**MANNESMANN. Das Rohr.**