

FITTINGS & BENDS

A PERFECT SOLUTION
FOR YOUR BUSINESS



CHELPIPE
GROUP



The background of the image shows a large industrial facility, likely a pipe manufacturing plant. Several massive, dark-colored pipes are stacked horizontally in the foreground. In the background, there is a complex network of yellow overhead cranes and red structural beams, with various pipes and conduits running across the facility. The lighting is industrial, with bright spots from overhead lights.

**CHELPIPE GROUP OFFERS
INTEGRATED SOLUTIONS
TO FUEL AND ENERGY COMPANIES –
FROM PRODUCTION OF LINE PIPES,
PIPELINE COMPONENTS AND SHUT-
OFF VALVES TO OILFIELD EQUIPMENT
AND SERVICING.**

In order to satisfy demand for a full range of pipeline joints, ChelPipe launched the manufacture of welded pipe fittings in 2015.

Our products provide fundamentally new consumer properties through the use of nanostructured materials.

WE MATCH CLIENTS NEEDS



FULL PACKAGE

pipes, fittings, valves and split tees by one company



WIDEST POSSIBLE PRODUCT RANGE

from standard to customized products



TECHNICAL SUPPORT

design solution, material selection
and engineering



LOGISTICS

global reach in more than 50 countries



THICK AND EXTRA THICK WALL

for extreme operating condition



CUSTOMIZED SOLUTIONS

exclusive products upon request



JUST-IN-TIME PRODUCTION

semi-product stock available.
In-house pipe production



SPECIAL PURPOSE

Operating pressure – 1.6 – 15 MPa,
cold-resistant and corrosion-resistant articles



Oil and Gas



Power generation incl. nuclear



Petrochemical

FITTINGS:

10,000
tons annually

ASME B16.9
MSS SP-75
EN 10253

BENDS:

18,000
tons annually

DIN EN 14870
ISO 15590-1

PIPELINE FITTINGS

ARE USED TO MAKE MAIN PIPELINE TURNS,
STRAPPING OF PUMPING AND COMPRESSOR
STATIONS, AS WELL AS OTHER OIL AND GAS
INDUSTRY INFRASTRUCTURE.

Standards: ASME B16.9; MSS SP-75;
EN 10253
Diameter: 20 – 56 inch

Wall thickness: 8 – 100 mm
Steel grade: X42-X80; A234; A860



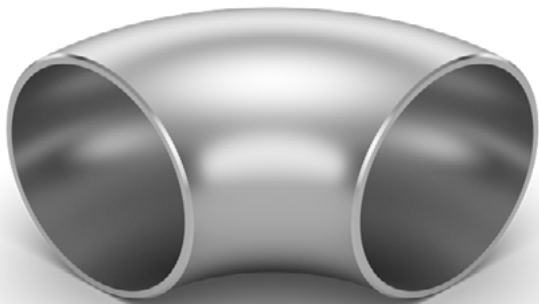
CAP

The function of a cap is to block off the end of a line. The cap is placed over the open end and welded around the joint.



REDUCER

All our reducers are designed to decrease the effective size of the pipe. They are adaptable to most piping installations.



ELBOW

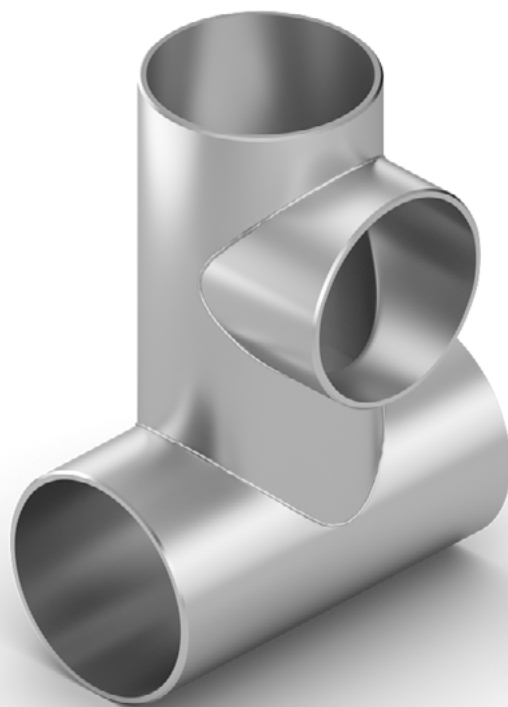
An elbow is installed between two lengths of a pipe (or tubing) to change the direction of a pipeline.



TEE

A tee is used to connect pipes of different diameters or change the direction of a pipe run, or both.

SPLIT TEE



SPLIT TEE

Split tees are designed for hot tapping operations without any interruptions in product transportation.



3-WAY TEE

3 - way tee with a flange for the tie-in machine also includes blinding caps and a special fixing system. At the top the tee is closed by the blind flange.

Standards: ASME B16.9; MSS SP-75; EN 10253

Diameter: 20 – 56 inch

Wall thickness: 8 – 100 mm

Steel grade: X42-X80; A234; A860



Corrosion-resistant and cold-resistant



Pn 1.6 - 15 MPa



2-year warranty



More than 50 process operations are performed at temperatures from +20°C to +1050°C

PIPELINE BENDS

WE USE ONLY HIGH-QUALITY MOTHER PIPES PRODUCED BY OUR OWN PIPE PLANTS. THIS HELPS US TO CONTROL THE QUALITY OF FINISHED GOODS AT EVERY PRODUCTION STAGE AND DECREASE DELIVERY TIME.

Standards: DIN EN 14870;
ISO 15590-1

Diameter: 8 – 56 inches

Bend radius: 1,5D – 10D

Wall thickness: 10 – 100 mm

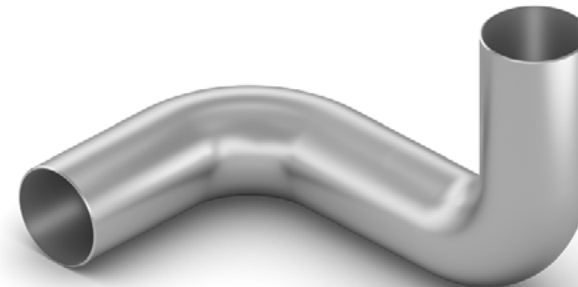
Steel grade: X42–X80;
API 5L PSL 2



HOT INDUCTION BEND



COLD INDUCTION BEND



3D-BEND

Induction heating in combination with the appropriate bending methods provides consistent properties and dimensional effects for a wide range of pipe materials.



Corrosion-resistant and cold-resistant



Pn 1.6 - 15 MPa



2-year warranty



From 1.5D bend radius



Match with any tie-in equipment



Wide range of steel grades



STATE-OF-THE-ART EQUIPMENT

FOR EVERY STAGE OF THE
PRODUCTION PROCESS

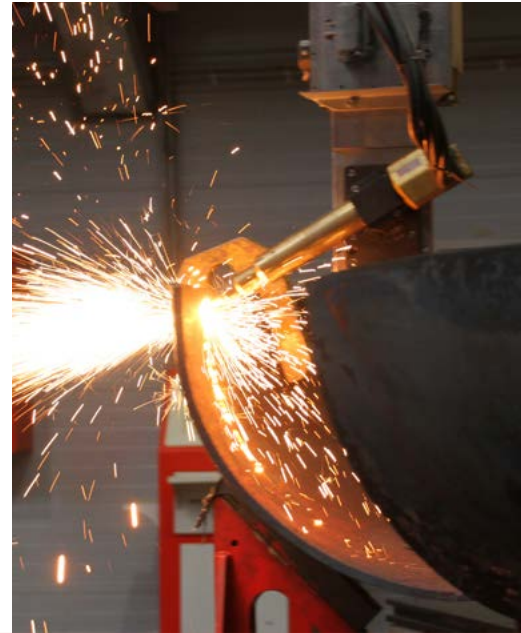
The base principles of ChelPipe activity are contained in corporate Quality Management System, which complies with the current industrial regulations. The process of product design and manufacturing is based on the requirements of international standards.



BENDING

Hauesler Plate Bending

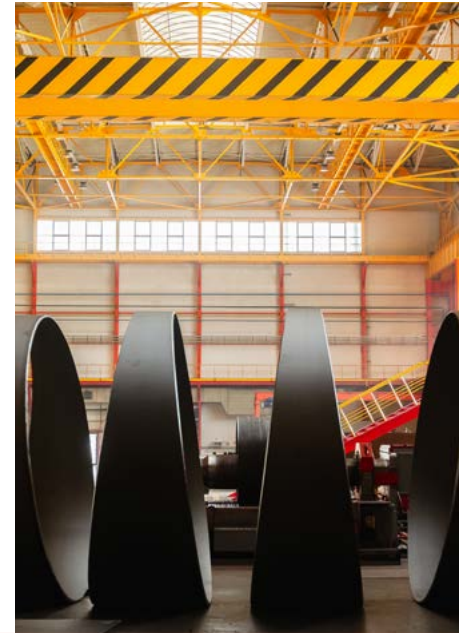
Bending of tapered segments and cylinder shells with bending radius of unlimited size in hot and cold conditions.



WELDING

ESAB welding station

Creating special structure at micro and nano levels. Welding of longitudinal and girth weld joints up to 5 meters is possible.



BLANKING

Fanuc robot equipped with a positioning and rotary element.

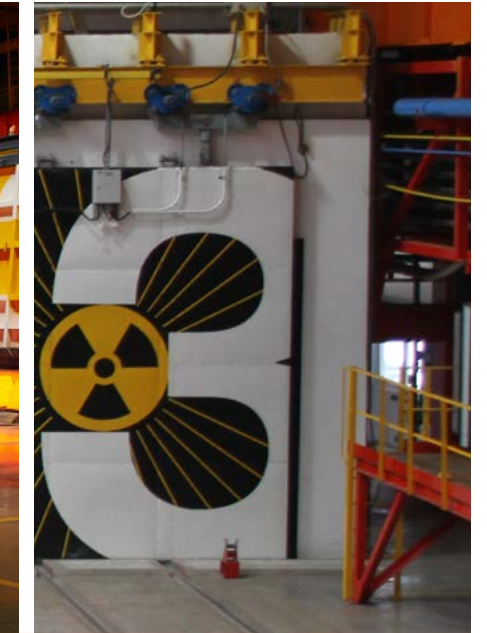
cutting at 30°, 45°, 60°
types of cuts: I-V-K-Y-X
wall thickness up to 110 mm



HEAT TREATMENT

Heat treatment is performed to ensure properties of base metal and weld joints such as corrosion and cold resistance together with strength grades between K48 and K60.

7 furnaces
2 quenching tanks



INSPECTION

Direction of radiation to the required zone in all three axes is possible.

COMET PXS 30
EXTRAVOLT 500
EXTRAVOLT
450 X-Ray cabins

HEALTH

WE CARE ABOUT OURSELVES AND EVERYONE AROUND US

Thanks to the use of safe technologies and materials, modernized ChelPipe Group companies have a minimal environmental impact and produce environmentally friendly products. The company also supports social programs and creates conditions for the employees' healthy lifestyle.

ACHIEVEMENTS

WE SET GOALS AND ACHIEVE SUCCESS

ChelPipe Group implements fully-integrated and innovative solutions, continuously boosts its productivity, and builds long-term relationships with customers and partners.

INVOLVEMENT

WE CARE ABOUT A COMMON CAUSE

ChelPipe Group meets the modern market requirements, implements social and charitable programs, and upholds responsibility to its employees and customers. Everyone in the company contributes to its overall success and transforms society through the corporate META philosophy.

CREATION

WE TRANSFORM OURSELVES AND THE WORLD AROUND US

ChelPipe Group produces high-quality and significant products for society. The company raises the prestige of skilled occupations and introduces people to a new world view. We have created a comfortable working environment with opportunities for self-realization, training and creativity.

RELIABILITY

WE ARE CONFIDENT IN THE FUTURE

ChelPipe Group meets customer expectations and guarantees high product quality and full compliance with deadlines. The company upgrades its technology, honors its history, respects traditions, fulfills social obligations and protects the environment.





www.chelpipegroup.com

