



BSL Pipes & Fittings

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Selected System and Customer Approvals



Certified ISO 9001 since
November 1992
by Lloyd's Register



TÜV
AD-Merkblatt
W0/TRD 100
certificate n° WE 647 N



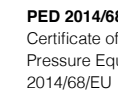
Lloyd's Register
Welded pipes and tubes in
austenitic stainless steel,
certificate n° MD000/0143/0003/4
Certified ISO 14001 since December 2012
by Lloyd's Register



Stoomwezen
M0402 Longitudinally
welded tubes,
certificate n° M0402



Det Norske Veritas
Steel tubes, pipes and fittings
according to Det Norske Veritas Rules
for classification PT. 2, certificate
n° AMM-3810 & 3827



PED 2014/68/EU
Certificate of approval according
Pressure Equipment Directive
2014/68/EU




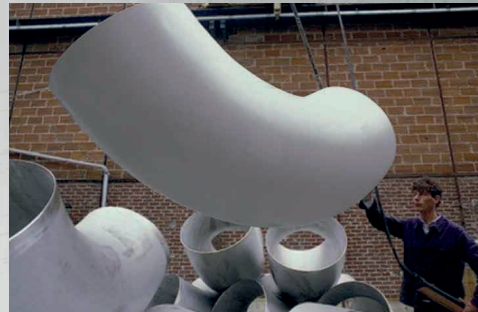
American
Petroleum
Institute
5LC-0124

*approval under process



History of BSL Pipes and Fittings

- 1946
- Creation of BSL by Mr. Bignier, Mr. Schmidt & Mr. Laurent
Production of vessels in Stainless Steel
- 1952
- First automatic welding of Stainless Steel
- 1961
- First fabrication of Pipes and Elbows in Stainless Steel
- 1975
- First fabrication of Pipes and Elbows for the Nuclear Industry
- 1976
- Production of 6.000 tons of Pipes in Stainless Steel
- 1999
- First fabrication of Pipes & Fittings in Duplex
- 2004
- Expanding material grades to Super Duplex and Copper Nickel
- 2009
- Installation of a 20" Coil-Line and expanding the capacity to 15,000 tons
- 2018
- Awarded with a project to manufacture 30 km of Inner Liner for
Mechanical Clad in Nickel Alloy from Coil
- 2022
- Acquisition by Allied 



Product Range

Product Portfolio*	OD (NPS)	Thickness (mm)
Welded Pipes (from Coils)	3"-20"	2-13
Welded Pipes (from Plates)	3"-48"	2-50
Fittings (Seamless & Welded) Elbows, Tees, Caps and Reducers	1"-60"	up to 2"

*Other sizes on request

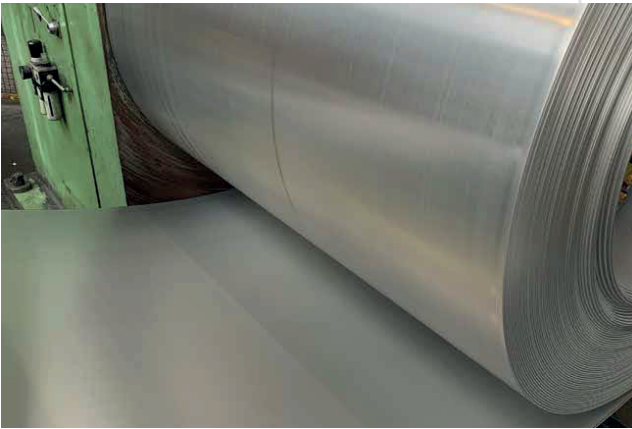
Material Grades

Stainless Steel	Nickel Alloys	Special Alloys
Austenitic Stainless Steel 304/L, 316/L, 317/L, 321/H, 347/H, 904/L	Alloy 625 UNS N06625	INVAR FeNi36
Duplex UNS S31803 / S32205	Alloy 600 UNS N06600	Copper Nickel 90-10 / 70-30
Super Duplex UNS S32750 / S32760	Alloy 825 UNS N08825	
	Alloy 800 UNS N08800	
	Alloy 400 UNS N04400	
	Nickel 200 UNS N02200	
	Hastelloy® UNS N10276	

Other grades on request



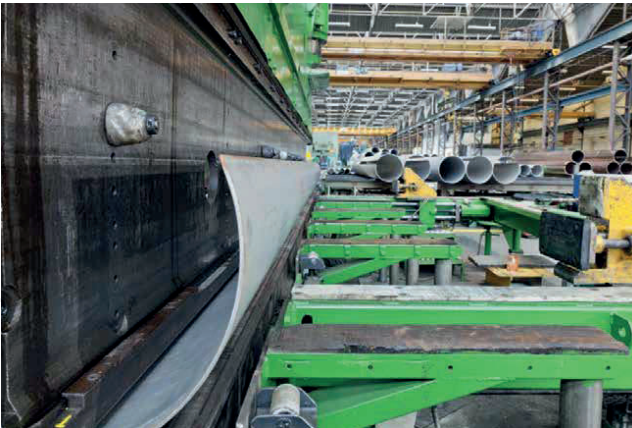
Production Capabilities



Pipes from Coil (Continuous Process)
(3 Coil Lines – OD 3" to 20" – WT 2 to 13mm)



Pipes from Coil (Continuous Process)
(3 Coil Lines – OD 3" to 20" – WT 2 to 13mm)



Pipes from Plate (Press Brake)



Pipes from Plate (Roller)



Fittings from Pipe



Fittings from Plate

Production Standards/ Testing Capabilities

Welding
Automatic GTAW, PAW, SAW approved by TPI bodies

Pipes
- ASTM A312, A358, A554, A778, A789, A790, A409, A928
- ASTM B464, B514, B517, B619, B673, B705, B723, B725, B775
- EN 10217-7, 10296-2
- NF A 49-249
- EEMUA 144
- API 5LC
- AD-W0; AD-W2

Fittings
- ASTM A774, A815, A403, B366
- ISO 5251, EN 10253
- EN 10253-4
- EEMUA 146

Our Facilities for Non-Destructive Testing
- **Eddy current testing**
- According to ASTM A450, ASTM A999, EN 10246-3

- **Radiographic Examination**
- According to ASME VIII § UW-51 and UW-52, ANSI B31.3, EN 1435, EN 10246-10, EN 10893-7, ISO 12096, executed with film recording media or a digital image acquisition system
- Visual Examination

- **Hydrostatic test**
- According to ASTM A999, B775

- **Liquid penetrant examination**
- According to ASTM E 165 type II method A, ANSI B31.3, ISO 12095, EN10246-11, ISO 10893-4, EN571-1 II Ab-2

- **PMI**
- According to ASTM E572

Ultrasonic examination
- According to EN10246-15, EN10246-16, ISO12094

Our Facilities for Destructive Testing
In-house Laboratory equipped for
- Bending tests
- Tensile strength
- Impact tests at low temperatures and environment temperature
- Corrosion test according to ASTM A262-G48
- Hardness tests
- Macrographic and micrographic examinations
- Ferrite content measurement

