



BSL Pipes & Fittings



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** • BSL Pipes and Fittings becomes part of Allied Group, global sector leader



Product Range

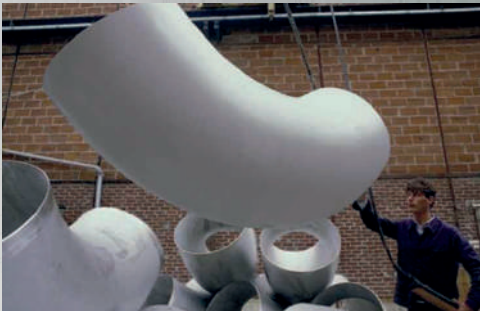
Product Portfolio*	OD (NPS)	Thickness (mm)
Welded Pipes (from Coils)	3"–20"	2–13
Welded Pipes (from Plates)	3"–48"	2–50
Fittings (Seamless & Welded) Elbows, Tees, Caps and Reducers	1"–60"	up to 2"

*Other sizes on request

Material Grades

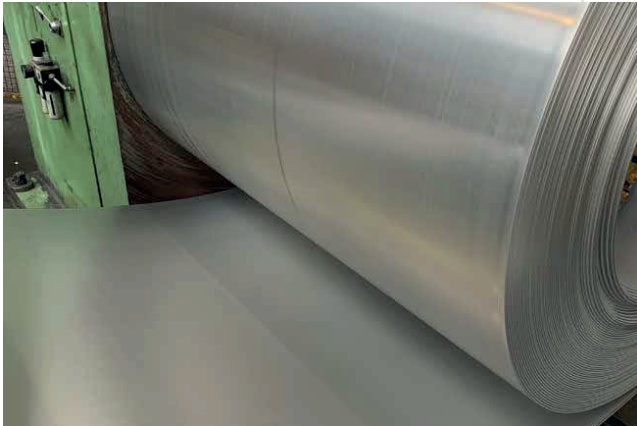
Stainless Steel	Nickel Alloys	Special Alloys
Austenitic Stainless Steel 304/L, 316/L, 317/L, 321/H, 347/H, 904/L	Alloy 625 UNS N06625	INVAR FeNi36
Duplex UNS S31803 / S32205	Alloy 600 UNS N06600	Copper Nickel 90-10 / 70-30
Super Duplex UNS S32750 / S32760	Alloy 825 UNS N08825	
	Alloy 800 UNS N08800	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

Other grades on request





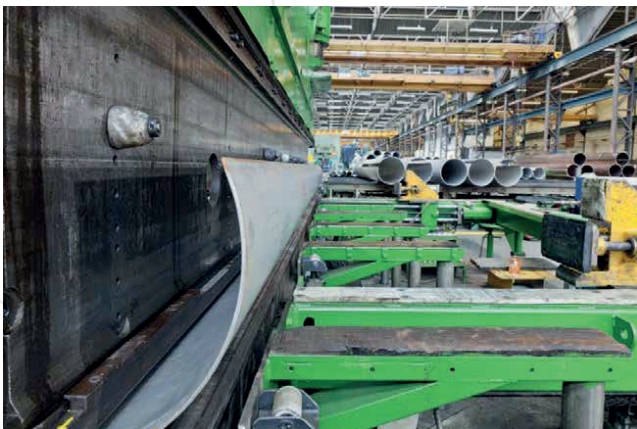
Production Capabilities



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



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(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



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° MD00/0143/0003/4
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



أرامكو السعودية
saudi aramco
ID N° 30004036



شركة تنمية نفط عُمان
Petroleum Development Oman



قطر غاز
QATARGAS



TOTAL

TOTAL – Elf Atochem
2013-02 & 2013-10-02 (Total)
Certificate n° 97/84 (Elf)



شركة النفط العمانية ش.م.ع.م.
Oman Oil Company S.A.O.C.



GE Oil & Gas



PETROBRAS

ExxonMobil



PETRONAS

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