



lebronze alloys



Copper alloys and steel components
for Oil & Gas Industry

Lebronze alloys has been supplying copper alloys semi-finished and finished products for seawater corrosion resistance for more than 50 years.

We have been developing and improving our expertise in Oil & Gas and Fluids applications, particularly with copper nickel alloys (resistance to all types of seawater corrosion), but also with copper silicon alloys for oil deep-sea measurement applications (seawater corrosion and friction resistance), copper beryllium alloys for seismic acquisition equipment (seawater corrosion and high strength/elongation resistance), and even copper cobalt alloys for Oil & Gas drilling in Offshore industries, whilst also focussing on machined components in Nickel Aluminium Bronze for use in BOP (blow out preventers).

From casting to machining

Multiple technical solutions to manufacture your components.

- Continuous or semi-continuous casting
- Centrifugal casting - Sand casting
- Extrusion
- Forging
- Stamping
- Machining

This multi-process competence gives us the possibility to search for the most pertinent and innovative solution. Thanks to the group's design departments, we can optimize our offer in terms of both cost and quality.

We support our customers in the design and fabrication of various types of engineered components, thanks in part to our specialist engineering department and qualified TOP SOLID technicians.





Our products

We provide seamless and welded pipes, seamless and machined fittings, forged flanges from 1/4" up to 48" in order to cover the complete package required for whatever kind of project.

► Bars, Pipes and Fittings

- Seamless and welded Pipes
- Bars
- Butt welding fittings
- All types of solid flanges, threaded, butt welding or socket welding ends
- Machined and forged fittings threaded, socket welding and capillary ends

► Engineering products

- Valves (body, ball and flanges)
- Bearings
- Pump components
- Drill head components
- Deepsea seismic measuring instruments

Performance and competitiveness are our aim but quality remains our priority, thus we constantly assess and measure the performance of our alloys and products internally before they leave our facilities. Lebronze alloys offers both small and large quantities according to our customer's needs. All this is underscored by maintaining a high level of quality control enabling us to support and work to the new demands required in these critical industries where the environment, safety and reliability are paramount.

Our references and approvals

Lebronze alloys delivers to some of the most famous companies not only in Europe but also in the Americas, Middle East and Asia. Our components are supplied to the top performing companies within piping and machining subcontractors, shipyards, EPC/EPCEC contractors to Oil & Gas companies.

AGIP, Aker solutions, Aramco, Anderaa, British Petroleum, Cameron, Chevron, CNOOC, DSME, Dubai Drydocks, EXXON, HHI, INPEX, Jurong Group, Keppel Group, K.C.O, K.O.C, Larsen & Toubro, MC Dermott, MOBIL, MODEC, N.O.V, ONGC, Petrobras, Petronas, P.T.T, Qatar Petroleum, SAIPEM, SBM, SHELL, SHI, Statoil, Technip, Total, Woodside.

Our quality assurance system guarantees full traceability and our expertise is recognized and certified by major quality assurance companies such as Germanischer Lloyds, DNV, AFAQ or additionally by Engineering or Oil & Gas Companies themselves (Aramco ; Agip 15551 ; Texas oil tools AC00-7002 revF ; Kvaerner INK09072 rec C ; Total B90, B92, GS EP PVV 143/144/145/148, Zadco ZO-TS-P-02010)



Alloys and Standards

WROUGHT COPPER ALLOYS				
ISO	European Standard	UNS	Lba	Comments
HIGH COPPER ALLOYS (>96%Cu) (C16000 to C19999)				
CuBe2	CW101C	C17200	CB2	
CuCoBe	CW104C		CB4	
ALUMINIUM BRONZES (Cu-Al-Ni-Fe-Si-Sn) (C60800 to C64699)				
CuAl9Ni5Fe4	CW307G			
CuAl10Ni5Fe4	CW307G	C63000		Also fits ASTM B150, B125, AMS4640, NFL14705
COPPER NICKELS (Cu-Ni-Fe) (C70000 to C73499)				
CuNi10Fe1Mn	CW352H	C70600 C70620		Also fits ASTM B151, B171, B466/467, EEMUA 144, UNS C7060X, BS 2871, JIS H3300 C7060
CuNi30Fe1Mn	CW354H	C71500 C71520		Also fits ASTM B151, B171, B466, B467, BS2871, CN107, JIS H3300
CAST COPPER ALLOYS				
ISO	European Standard	UNS	Lba	Comments
BRASSES (Cu-Zn) (C83300 to C89999)				
CuZn25Al5Mn4	EN 1982 / CC 762 S	C 86300		ASTM B 584
CuZn33Pb2	EN 1982 / CC 750 S			
CuZn34Mn3Al2Fe1	EN 1982 / CC 764 S			
CuZn35Mn2Al1Fe1	EN 1982 / CC 765 S			
CuZn39Pb1Al1	EN 1982 / CC 754 S			
ALUMINIUM BRONZES (Cu-Al-Ni-Fe-Si-Sn) (C95000 to C95999)				
CuAl8Mn				
CuAl10Fe2	EN 1982 / CC 331 G	C 95200		ASTM B 148
CuAl10Fe5Ni5	EN 1982 / CC 333 G	C 95520		ASTM B 148
CuAl10Ni3Fe2	EN 1982 / CC 332 G			
CuAl11Fe6Ni6	EN 1982 / CC 334 G			

STEELS	
Type	European Standard
Non-alloyed engineering steels	EN 10225-2 / EN 10222-4 / ASTM A105/A105N / ASTM A350
Stainless steels	EN 10088 / ASTM A182

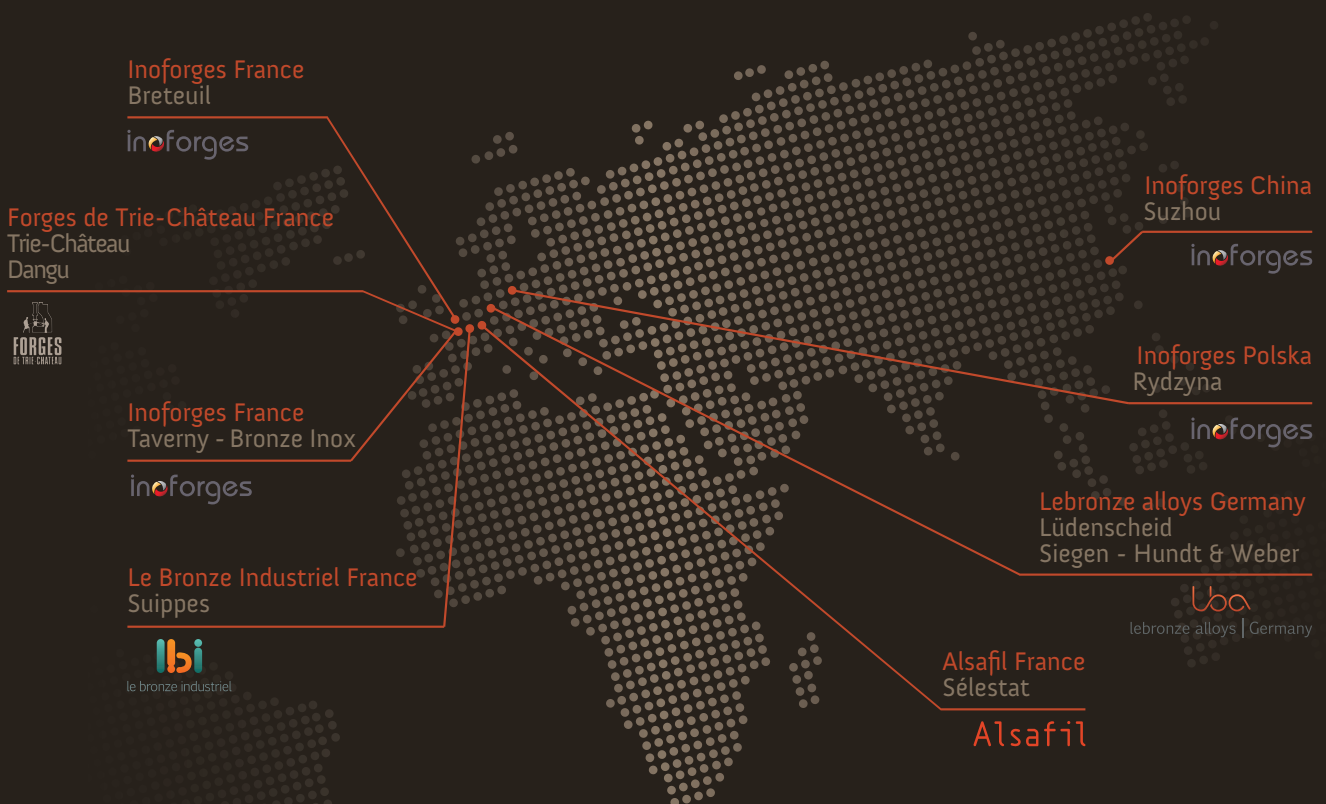


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Lebronze alloys group was born from the integration of different companies specializing mainly in copper alloys but also aluminium alloys and specialty steels.

Thanks to a multidisciplinary know-how, the group is today at the heart of heavy industries such as Aerospace, Oil & Gas, Power, Railway but also in sectors manufacturing smaller equipment and products.

Our 10 complementary facilities all offer industrial technologies (foundry, extrusion, forging, hot stamping, wire drawing, machining, centrifugal casting). The group's commitment is to find appropriate and optimized solutions for every sector's requirements.



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