



Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Manufacturer	LES BRONZES D'INDUSTRIE S.A.
Address	26 rue de la République, Amneville, 57360, France
Type	Short Freezing Range Alloys Long Freezing Range Alloys

This approval is subject to compliance with the Rules for the Manufacture, Testing and Certification of Materials. The full details of the processes and grades to which this approval applies are given on subsequent pages of this certificate.

This certificate is issued to the named manufacturer, and is valid until the expiry date specified. Lloyd's Register is to be notified of any change that may affect the validity of this certificate, and reserves the right to cancel or withdraw this certificate.



71 Fenchurch Street, London, EC3M 4BS, United Kingdom

Gavin Young

Senior Metallurgist to Lloyd's Register EMEA
A member of the Lloyd's Register group

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Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Aluminium bronze	Grades	Maximum Weight	Units
-	-	CuAl10Fe5Ni5	20.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Gunmetal	Grades	Maximum Weight	Units
-	-	CuSn10Zn2	20.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded bronze	Grades	Maximum Weight	Units
-	-	CuSn10Pb10	20.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded gunmetal	Grades	Maximum Weight	Units
-	-	CuSn5Pb5Zn5	20.00	Tonnes
-	-	CuSn7Pb3Zn3	20.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Phosphor bronze	Grades	Maximum Weight	Units
-	-	CuSn12	20.00	Tonnes

Additional Remarks

The following grades are also acceptable for specifically approved applications only and up to a maximum weight of 20 Tonnes;



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CuSn7Zn4Pb7 to EN1982
CuAl11Fe6N6-C to EN1982
CuSn10Zn to DIN 1705
CuSn12Ni to DIN 1705
C90500 to ASTM B271
C96400 to ASTM B369
C95800 to ASTM B271



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