



Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Manufacturer	Santa Caterina SRL
Address	Via Giovanni XXIII 94B, Lonate Pozzolo VA, 21015, Italy
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.



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Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Gunmetal	Grades	Maximum Weight	Units
-	-	CuSn10Zn2	1.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Aluminium bronze	Grades	Maximum Weight	Units
-	-	CuAl11Fe6Ni6	1.00	Tonnes
-	-	CuAl10Fe5Ni5	1.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Copper 10% nickel	Grades	Maximum Weight	Units
-	-	CuNi10Fe1Mn1	1.00	Tonnes
-	-	CuNi10FeMn1	1.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Copper 30% nickel	Grades	Maximum Weight	Units
-	-	CuNi30Cr2FeMnSi	1.00	Tonnes
-	-	CuNi30Fe1Mn1	1.00	Tonnes
-	-	CuNi30Fe1Mn1NbSi	1.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded bronze	Grades	Maximum Weight	Units
-	-	CuSn10Pb10	1.00	Tonnes
-	-	CuSn5Pb20	1.00	Tonnes



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-	-	CuSn7Pb15	1.00	Tonnes
-	-	CuSn5Pb9	1.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded gunmetal	Grades	Maximum Weight	Units
-	-	CuSn5Pb5Zn5	1.00	Tonnes
-	-	CuSn6Zn4Pb2	1.00	Tonnes
-	-	CuSn7Zn2Pb3	1.00	Tonnes
-	-	CuSn7Zn4Pb7	1.00	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Phosphor bronze	Grades	Maximum Weight	Units
-	-	CuSn11P	1.00	Tonnes
-	-	CuSn12	1.00	Tonnes

Additional Remarks

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Long and Short Freezing Range Alloys

Alloy details as per Appendix.

Maximum weight, 1.0 tonnes.

Approval also includes ASTM B148 grade C95800. This alloy may be accepted for application in Lloyd's Register classed projects where use of this alloy has been specifically accepted by Lloyd's Register plan appraisal.



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