



Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Manufacturer	SAINT REMY INDUSTRIE
Address	52 rue de l'Embarcadère, BP 64, COMMENTRY, 03600, 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

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Metallurgy Team - Lead Specialist to Lloyd's Register EMEA
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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
-	-	CuSn7Zn2Pb3	1.50	Tonnes
-	-	CuSn10Zn2	1.50	Tonnes
-	-	CuSn5Zn5Pb5	1.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Aluminium bronze	Grades	Maximum Weight	Units
-	-	CuAl10Fe5Ni5	1.50	Tonnes
-	-	CuAl11Fe6Ni6	1.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Copper 10% nickel	Grades	Maximum Weight	Units
-	-	CuNi10Fe1Mn1	1.50	Tonnes
-	-	CuNi10FeMn1	1.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Copper 30% nickel	Grades	Maximum Weight	Units
-	-	CuNi30Cr2FeMnSi	1.50	Tonnes
-	-	CuNi30Fe1Mn1	1.50	Tonnes
-	-	CuNi30Fe1Mn1NbSi	1.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded bronze	Grades	Maximum Weight	Units



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-	-	CuSn5Pb20	1.50	Tonnes
-	-	CuSn5Pb9	1.50	Tonnes
-	-	CuSn7Pb15	1.50	Tonnes
-	-	CuSn10Pb10	1.50	Tonnes

Copper Alloy Castings for Valves, Liners, Bushes and Fittings

Leaded gunmetal

Grades

Maximum Weight

Units

-	-	CuSn5Pb5Zn5	1.50	Tonnes
-	-	CuSn6Zn4Pb2	1.50	Tonnes
-	-	CuSn7Zn2Pb3	1.50	Tonnes
-	-	CuSn7Zn4Pb7	1.50	Tonnes

Copper Alloy Castings for Valves, Liners, Bushes and Fittings

Phosphor bronze

Grades

Maximum Weight

Units

-	-	CuSn11P	1.50	Tonnes
-	-	CuSn12	1.50	Tonnes



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