



Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Manufacturer	V K Valves Pvt.Ltd.
Address	C-106, Focal Point,Ext-509, Jalandhar, 144004, India
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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Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Phosphor bronze	Grades	Maximum Weight	Units
-	-	CuSn10P	0.25	Tonnes
-	-	CuSn10PbP	0.25	Tonnes
-	-	CuSn11P	0.25	Tonnes
-	-	CuSn12	0.25	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Gunmetal	Grades	Maximum Weight	Units
-	-	CuSn10Zn2	0.25	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded gunmetal	Grades	Maximum Weight	Units
-	-	CuSn5Pb5Zn5	0.25	Tonnes
-	-	CuSn6Zn4Pb2	0.25	Tonnes
-	-	CuSn7Pb3Zn3	0.25	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded bronze	Grades	Maximum Weight	Units
-	-	CuSn5Pb9	0.25	Tonnes
-	-	CuSn5Pb20	0.25	Tonnes
-	-	CuSn9Pb15	0.25	Tonnes
-	-	CuSn10Pb10	0.25	Tonnes



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Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Copper 30% nickel	Grades	Maximum Weight	Units
-	-	CuNi30Nb	0.25	Tonnes
-	-	CuNi30Cr	0.25	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Copper 10% nickel	Grades	Maximum Weight	Units
-	-	CuNi10Nb	0.25	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Aluminium bronze	Grades	Maximum Weight	Units
-	-	CuAl10Fe5Ni5	0.25	Tonnes

Additional Remarks

Copper Alloy Castings

Long freezing range alloys: Phosphor bronze, Gunmetal, Leaded gunmetal and Leaded bronze, details as per Appendix.

Grades for Approved applications only: CuSn10PbP, CuSn10P, CuSn7Pb3Zn3 and CuSn9Pb15

Short freezing range alloys: Copper 30% Nickel, Copper 10% Nickel and Aluminium bronze, details as per Appendix.

Grades for Approved applications only: CuNi30Cr, CuNi30Nb and CuNi10Nb



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