
Copper Alloy Castings For Valves, Liners, Bushes And Fittings

Manufacturer	GÖPFERT AG
Address	Armaturenfabrik und Metallgießerei, Industriestraße, 25795 Weddingstedt, Germany
Type	Long Freezing Range Alloys Short Freezing Range Alloys
Scope of Approval	In addition to grades shown below, the approval also covers alloy designations CuSn5Zn5Pb5-C, G-CuSn10Zn, CuSn10-C, CuAl10Fe5Ni5-C and CuSn5Zn5Pb2-C to recognised national standards to a maximum weight of 0.5 tonnes.

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	Aluminium bronze	Grades	Maximum Weight	Units
As cast	-	CuAl10Fe5Ni5	0.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Gunmetal	Grades	Maximum Weight	Units
As cast	-	CuSn10Zn2	0.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded bronze	Grades	Maximum Weight	Units
As cast	-	CuSn5Pb9	0.50	Tonnes
As cast	-	CuSn9Pb15	0.50	Tonnes
As cast	-	CuSn10Pb10	0.50	Tonnes
As cast	-	CuSn5Pb20	0.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Leaded gunmetal	Grades	Maximum Weight	Units
As cast	-	CuSn5Pb5Zn5	0.50	Tonnes
As cast	-	CuSn7Pb3Zn3	0.50	Tonnes
Copper Alloy Castings for Valves, Liners, Bushes and Fittings	Phosphor bronze	Grades	Maximum Weight	Units
As cast	-	CuSn10P	0.50	Tonnes



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As cast	-	CuSn10PbP	0.50	Tonnes
As cast	-	CuSn11P	0.50	Tonnes



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