



# Copper Alloy Castings For Valves, Liners, Bushes And Fittings

<b>Manufacturer</b>	<b>Goepfert AG</b>
<b>Address</b>	Industriestraße, D-25795 Weddingsstedt, Germany
<b>Type</b>	Long Freezing Range Alloys Short 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

**Lili Hou**

Lead Specialist 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

<b>Copper Alloy Castings for Valves, Liners, Bushes and Fittings</b>	<b>Leaded bronze</b>	<b>Grades</b>	<b>Maximum Weight</b>	<b>Units</b>
As cast	-	CuSn5Pb9	0.50	Tonnes
As cast	-	CuSn9Pb15	0.50	Tonnes
As cast	-	CuSn10Pb10	0.50	Tonnes
As cast	-	CuSn5Pb20	0.50	Tonnes
<b>Copper Alloy Castings for Valves, Liners, Bushes and Fittings</b>	<b>Aluminium bronze</b>	<b>Grades</b>	<b>Maximum Weight</b>	<b>Units</b>
As cast	-	CuAl10Fe5Ni5	0.50	Tonnes
<b>Copper Alloy Castings for Valves, Liners, Bushes and Fittings</b>	<b>Leaded gunmetal</b>	<b>Grades</b>	<b>Maximum Weight</b>	<b>Units</b>
As cast	-	CuSn5Pb5Zn5	0.50	Tonnes
As cast	-	CuSn7Pb3Zn3	0.50	Tonnes
<b>Copper Alloy Castings for Valves, Liners, Bushes and Fittings</b>	<b>Phosphor bronze</b>	<b>Grades</b>	<b>Maximum Weight</b>	<b>Units</b>
As cast	-	CuSn10P	0.50	Tonnes
As cast	-	CuSn10PbP	0.50	Tonnes
As cast	-	CuSn11P	0.50	Tonnes
<b>Copper Alloy Castings for Valves, Liners, Bushes and Fittings</b>	<b>Gunmetal</b>	<b>Grades</b>	<b>Maximum Weight</b>	<b>Units</b>



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As cast - CuSn10Zn2 0.50 Tonnes

### Additional Remarks

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.



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