



Certificate No : MD00/2824/0004/7b

GÖPFERT AG
Armaturenfabrik und Metallgießerei
Industriestraße
25795 Weddingstedt
Germany

has been approved as a manufacturer in accordance with the requirements of Lloyd's Register for :-

Copper Alloy Castings for Valves, Liners, Bushes and Fittings

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 in the Appendix of this certificate.

Lloyd's Register is to be notified of any change that may affect the validity of this Certificate.

This Certificate is issued to the above manufacturer and is valid until the date given below.

Valid Until : 16 September 2013
Date of Issue : 21 September 2010

Gavin Young

Metallurgical Specialist to Lloyd's Register EMEA
A member of the Lloyd's Register Group

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Appendix 1

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Long freezing range alloys	Alloy Type	Designation	tonnes Maximum
	Phosphor bronze	CuSn10PbP*	0.50
		CuSn10P*	0.50
		CuSn11P	0.50
	Gunmetal	CuSn10Zn2	0.50
	Leaded gunmetal	CuSn5Pb5Zn5	0.50
		CuSn7Pb3Zn3*	0.50
	Leaded bronze	CuSn10Pb10	0.50
		CuSn5Pb9	0.50
		CuSn9Pb15*	0.50
		CuSn5Pb20	0.50

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