



Certificate No : MD00/2973/0005/7b

DMI YOUNG & CUNNINGHAM LTD.
West Chirton Industrial Estate
Gloucester Road
North Shieds
Tyne & Wear NE29 8RQ
United Kingdom

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 : 03 May 2018
Date of Issue : 08 May 2015



Lili Hou
Senior 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* | 0.35 |
| | | CuSn10P* | 0.35 |
| | | CuSn11P | 0.35 |
| | Gunmetal | CuSn10Zn2 | 0.35 |
| | Leaded gunmetal | CuSn5Pb5Zn5 | 0.35 |
| | | CuSn7Pb3Zn3* | 0.35 |
| | Leaded bronze | CuSn10Pb10 | 0.35 |
| | | CuSn5Pb9 | 0.35 |
| | | CuSn9Pb15* | 0.35 |
| | | CuSn5Pb20 | 0.35 |
| Short freezing range alloys | Alloy Type | Designation | tonnes Maximum |
| | Copper 30% nickel | CuNi30Cr* | 0.35 |
| | | CuNi30Nb* | 0.35 |
| | Copper 10% nickel | CuNi10Nb* | 0.35 |
| | Aluminium bronze | CuAl10Fe5Ni5 | 0.35 |

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Lloyd's
Register

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