

COPPER ALLOY

JM 1

LEADED GUN METAL
CuSn5Zn5Pb5-C



Edition 3

COMPOSITION

Densitet 8,8

	Composition %											
	Cu ¹	Pb	Sn	Zn	Al	Fe	Mn	Ni ¹	P	S	Sb	Si
Nom	85	5	5	5								
Min	Bal	4,0	4,0	4,0								
Max	Bal	6,0	6,0	6,0	0,01	0,3	0,1	2,0	0,10	0,10	0,25	0,01

1) Including Nickel

MECHANICAL PROPERTIES

			Sandcast	Centrifugally- & continuously cast
			JM1-03	JM1-15
Rp0,2	Proof strength	N/mm ²	>=90	>=100
Rm	Tensile strength	N/mm ²	>=200	>=250
A5	Elongation	%	>=13	>=13
HB	Hardness	10/1000	>=60	>=65
E	Young's modulus	N/mm ²	100 000	100 000
	Coeff. of thermal expansion	X10 ⁻⁶ , 0-100°C	18,0	18,0
	Thermal conductivity	W/m °C	70	70
	Resistivity	nΩm, 20°C	120	120
	Machinability		Excellent	Excellent
<p>Values given refer to separately cast test specimen to SIS 112152 or specimen cut from centrifugal- or continuous castings with a wall thickness corresponding to the test specimen diameter.</p>				
Nearest equivalent standards				
Swedish standard		SS-EN 1982	CC491K-GS	CC491K-GC/GZ
European standard		EN 1982	CC491K-GS	CC491K-GC/GZ
US standard		UNS	C 83600	C 83600
British standard (old)		BS	1400 LG2	1400 LG2
German standard (old)		DIN	1705, G-CuSn5ZnPb	1705, GZ/GC-CuSn5ZnPb
Swedish standard (old)		SS	5204	5204