

BROOKSIDE METAL COMPANY LTD

GUNMETALS

NATIONALITY	ALLOY DESIGNATION	Cu	Sn	Zn	Pb	Fe	Ni	Sb	P	Si	S	Al	Mn	As	TOTAL IMPURITIES
EUROPEAN	BS EN 1982:2008 CuSn5ZnPb5-B (CB491K)	83.0-86.5	4.2-6.0	4.5-6.5	4.2-5.8	0.25 MAX	2.0 MAX	0.25 MAX	0.03 MAX	0.01 MAX	0.08 MAX	0.01 MAX	-	-	
EUROPEAN	BS EN 1982;2008 CuSn5Zn5Pb2-B (CB499K)	84.0-87.5	4.2-6.0	4.5-6.5	3.0MAX	0.30MAX	0.60MAX	0.10MAX	0.03MAX	0.01MAX	0.04MAX	0.01MAX	-	-	As0.03,Bi0.02,Cd0.02,Cr0.02 all MAX
UK	BS 1400 1985 LG2	BAL.	4.0-6.0	4.5-6.0	4.0-6.0	0.25 MAX	2.0 MAX	-	0.02 MAX	0.02 MAX	0.1 MAX	0.01 MAX	-	-	0.80 MAX EXCL. Ni+P. Fe+As+Sb 0.50 MAX. Bi 0.05 MAX
GERMANY	DIN 17656 1973 GB CuSn5ZnPb (RG5)	83.5-85.5*	4.3-6.0	4.5-6.5	4.0-6.0	0.20 MAX	2.3 MAX	0.25 MAX	0.03 MAX	0.01 MAX	0.06 MAX	0.01 MAX	0.1 MAX	0.1 MAX	0.4 MAX EXCL. Ni+Sb.
FRANCE	NF A53-707 1987 U- E5Pb5Z5 (UE5)	BAL.	4.0-6.0	4.0-6.0	4.0-6.0	0.30 MAX	1.5 MAX	-	-	0.01 MAX	0.10 MAX	0.01 MAX	-	-	1.0 MAX
DENMARK	DS 3001 1978 5204	83.5-85.5	4.3-6.0	4.5-6.0	4.0-5.7	0.25 MAX	2.0 MAX	0.25 MAX	0.03 MAX	0.01 MAX	0.06 MAX	0.01 MAX	0.01 MAX	-	
SWEDEN	SIS 14 1977 5204	85.0 MAX	4.3-6.0	4.5-6.0	4.0-5.7	0.25 MAX	2.0 MAX	0.25 MAX	0.03 MAX	0.01 MAX	0.06 MAX	0.01 MAX	0.01 MAX	-	Al+Si 0.01 MAX
NORWAY	NS 16 530 1977	83.5-85.5 MAX	4.3-6.0	4.5-6.0 MAX	4.0-5.7	0.25 MAX	2.0 MAX	0.25 MAX	0.03 MAX	0.01 MAX	0.06 MAX	0.01 MAX	0.01 MAX	-	
U.S.A.	ASTM B30 C83600	84.0-86.0*	4.3-6.0	4.3-6.0	4.0-5.7	0.25 MAX	0.8 MAX	0.25 MAX	0.03 MAX	0.005 MAX	0.08 MAX	0.005 MAX	-	-	
ITALY	UNI 7013-72-8A GB RG5	BAL	4.0-6.0	4.0-6.0	4.0-6.0	0.30 MAX	2.0 MAX	0.40 MAX	0.03 MAX	0.005 MAX	0.10 MAX	0.005 MAX	0.10 MAX	-	TOTAL IMPURITIES EXCL. Ni+P 1.0 MAX
JAPAN	JIS H 2203 1969 BCIn 6	83.0-87.0	4.0-6.0	4.0-6.0	3.0-6.0	-	-	-	-	-	-	-	-	-	1.5 MAX.
EUROPEAN	BS EN 1982:2008 CuSn3Zn8Pb5-B (CB490K)	81.0-85.5	2.2-3.5	7.5-10.0	3.5-5.8	0.50 MAX	2.0 MAX	0.25 MAX	0.03 MAX	0.01 MAX	0.08 MAX	0.01 MAX			
U.K.	BS 1400 1985 LG1	BAL.	2.0-3.5	7.5-9.5	4.0-6.0	-	2.0 MAX	0.03 MAX	-	0.02 MAX	0.1 MAX	0.01 MAX	-	-	1.0 MAX. Fe+As+Sb 0.75 MAX Bi 0.10 MAX
GERMANY	DIN 17656 1973 GB CuSn2ZnPb	80.5-84.5	1.7-3.0	7.5-9.0	4.3-6.0	0.20	1.5-2.3	0.20 MAX	0.03 MAX	0.01 MAX	0.06 MAX	0.01 MAX	0.10 MAX	0.10 MAX	0.4 MAX EXCL. Sb.
U.S.A.	ASTM B30 C84400	79.0-82.0	2.5-3.5	7.0-10.0	6.3-7.7	0.35 MAX	0.8 MAX	0.25 MAX	0.02 MAX	0.005	0.08 MAX.	0.005	-	-	-

*NICKEL MAY BE COUNTED AS COPPER.