

# BROOKSIDE METAL COMPANY LTD.

## DIECASTING BRASS

NATIONALITY	ALLOY DESIGNATION	Cu	Sn	Pb	Zn	Fe	Ni	Al	Mn	Si	As	Sb	P	S	TOTAL IMPURITIES
EUROPEAN	BS EN 1982:2008 CuZn39Pb1AlB-B (CB755S)	59.0-60.5	0.3 MAX	1.2-1.7	BAL	0.05-0.2	0.2 MAX	0.4-0.65	0.05 MAX	0.03 MAX					B TO BE USED AS GRAIN REFINER
EUROPEAN	BS EN 1982:2008 CuZn39Pb1Al-B (CB754S)	58.0-62.0	1.0 MAX	0.5-2.4	BAL	0.7 MAX	1.0 MAX	0.10-0.8	0.5 MAX	0.05 MAX			0.02 MAX		
EUROPEAN	BS EN 1982:2008 CuZn37Pb2Ni1AlFe-B (CB753S)	58.0-60.0	0.8 MAX	1.8-2.50	BAL	0.5-0.8	0.5-1.2	0.4-0.8	0.20 MAX	0.05 MAX		0.05 MAX	0.02 MAX		
EUROPEAN	BS EN 1982:2008 CuZn35Pb2Al-B (CB752S)	61.5-65.0	0.40 MAX	1.5-2.4	BAL	0.3 MAX.	0.25 MAX	0.3-0.7	0.15 MAX.	0.02 MAX	0.04-0.12	0.04-0.12			
U.K.	BS 1400 1985 DCB3	58.0-62.0**	1.0 MAX.	0.5-2.5	BAL.	0.5 MAX.	1.0 MAX.	0.2-0.8 MAX.	0.5	0.05	-		-	-	0.5 MAX.
U.K.	BS 1400 1985 PCB1	57.0-60.0	0.5 MAX.	0.5-2.5	BAL.	0.3 MAX.	-	0.5 MAX.	-	-	-	-	-	-	0.50 MAX.
GERMANY	DIN 17656 1973 GB CuZn37Pb	59.0-62.0*	0.60 MAX.	0.7-2.2	BAL.	0.40 MAX.	0.8 MAX.	0.4-0.8	0.10 MAX.	0.03 MAX.	0.08 MAX.	0.05 MAX.	0.02 MAX.	-	1.0 MAX. EXCL. Ni,
ITALY	UNI 5705-65 PCuZn40 PB2	57.0-60.0	0.90 MAX.	1.0-3.0	BAL.	0.60 MAX.	0.50 MAX.	0.15 MAX.	0.20 MAX.	0.20 MAX.	-	-	-	-	1.60 MAX.
ITALY	UNI 5035 G-CuZn38 PB2	59.5-62.0	1.30 MAX.	1.5-2.5	BAL.	0.60 MAX.	1.0 MAX.	1.0 MAX.	0.70 MAX.	0.30 MAX.	0.10 MAX.	0.10 MAX.	0.05 MAX.	-	Cu+Zn+Ni 96.5 MIN. Al+Si 1.0 MAX.
U.S.A.	ASTM B30 C87800	80.0 MIN.	0.25 MAX.	0.15 MAX.	12.0-16.0	0.15 MAX.	0.20 MAX.	0.15 MAX.	0.15 MAX.	3.8-4.2	0.05 MAX.	0.05 MAX.	0.01 MAX.	0.05 MAX.	Mg 0.01 MAX. TOTAL NAMED ELEMENTS EQUALS 99.8 MIN. Ni INCLUDES COBALT.
U.S.A.	ASTM B30 C85700	58.0-63.0	0.50-1.50	0.8-1.5	33.0-40.0	0.50 MAX.	0.80 MAX.	0.50 MAX.	-	0.05 MAX.	-	-	-	-	
DENMARK	DS 3001 5253 1978	58.0-61.0*	1.0 MAX.	1.5-2.5	BAL.	0.5 MAX.	1.0 MAX.	0.3-0.5	0.5 MAX	0.10 MAX.	-	-	-	-	
NORWAY	NS 16 554 1977	58.0-61.0	1.0 MAX.	1.5-2.5	BAL.	0.5 MAX.	1.0 MAX.	0.3-0.5	0.5 MAX.	0.10 MAX.	-	-	-	-	
SWEDEN	SIS 14 5253 1977	58.0-61.0	1.0 MAX.	1.5-2.5	BAL.	0.5 MAX.	1.0 MAX.	0.3-0.5	0.5 MAX.	0.10 MAX.	-	-	-	-	
JAPAN	JIS H 2202 1969 YBsCln 3	60.0-65.0	1.0 MAX.	0.5 MAX.	BAL.	0.8 MAX.	-	0.5 MAX.	-	-	-	-	-	-	-
EUROPEAN	BS EN 1982:2008 CuZn15As-B (CB760S)	83.0-87.5	0.3 MAX	0.5 MAX.	BAL	0.15 MAX.	0.1 MAX	0.01 MAX	0.1 MAX	0.02 MAX	0.06-0.15				
EUROPEAN	BS EN 1982:2008 CuZn16Si4 B (CB761S)	78.5-82.0	0.25 MAX.	0.6 MAX	BAL	0.5 MAX.	1.0 MAX	0.10 MAX	0.2 MAX	3.0-5.0		0.05 MAX	0.02 MAX		
EUROPEAN	BS EN 1982:2008 CuZn37Al1 B (CB766S)	60.0-63.0	0.4 MAX	0.4 MAX	BAL	0.4 MAX	1.8 MAX	0.6-1.8	0.4 MAX	0.5 MAX		0.05 MAX	0.02 MAX		
EUROPEAN	BS EN 1982:2008 CuZn38Al B (CB767S)	59.0-64.0	0.1 MAX	0.1 MAX	BAL	0.4 MAX	0.8 MAX.	0.1-0.8	0.4 MAX	0.05 MAX			0.05 MAX.		

\*\* NICKEL TO BE COUNTED AS COPPER