

Cutech Alloys Private Limited

GUN METAL

British - Std UK. (BS:1400)

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
LG-1		Rem.	2-3.5	4-6	7-9.5	0.5	2	0.03	0.01		0.02	0.25		0.1	0.1	1
LG-2		Rem.	4-6	4-6	4-6	0.5	2		0.01		0.02				0.05 I	0.8
LG-4		Rem.	6-8.05	2.5-3.5	1.5-3	0.2	2		0.01		0.01	0.25			0.05 I	0.7

France - NFA53

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
CuSn3Zn9Pb7	707	Rem	2-3.5	6-8	7-10	0.3	1.5		0.01		0.01		0.1			1
CuSn5Pb5Zn5	707	Rem	4-6	4-6	4-6	0.3	1.5		0.01		0.01		0.1			1
CuSn7Pb6Zn4	707	Rem	6-8	5-7	2-5	0.2	1.5		0.01		0.01		0.1			1

GERMANY- DIN

COPPER ALLOYS	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
G-CuSn2ZnPb		80-85	1.5-3	4-6	7-9	0.3	1.5-2.5	0.03	0.01	0.1	0.01	0.25	0.06			
G-CuSn5ZnPb		83.5-86	4.3-6	4-6	4.5-6.5	0.2	2.3	0.03	0.01	0.1	0.01	0.25	0.06			
G-CuSn6ZnPb		83.5-87	5.8-7	2.5-4	1.5-3	0.2	1.5-2.5	0.03	0.01	0.1	0.01	0.3	0.06			
G-CuSn7Zn5Pb		81-84.5	6.3-8	5.3-7	3.3-5	0.2	1.8	0.03	0.01	0.1	0.01	0.25	0.06			
RG-2		83	2	8	5											
RG-4		92-94	3-5	1-2	2											
RG-5		84-86	4-6	4-6	4-6	0.2	2	0.03	0.01	0.1	0.01	0.25	0.06			
RG-5 (Low Lead)		Rem	3.8-4.5	2.5-3	5.5-6.5	0.3	0.4-0.6	0.03	0.01	0.1	0.01	0.1	0.04			
RG-6		85	6	2	3		1									
RG-7		83-85	6-8	3-5	3-5											
RG-7B		Rem	6.8-8	5.3-7	3.3-5	0.2	1-1.5	0.03	0.01	0.1	0.01	0.25	0.03			
RG-A		81-87	5-8	4-6	7											

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INDIA - IS

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
Gunmetal Class-2	IS:1458-1965	Rem.	5-7	1-3	2-3	0.3	2	0.05	0.01			0.1				0.6
LTB-1	IS:318-1981	Rem.	6-8	2.5-3.5	1.5-3	0.3	2		0.01		0.01	0.3				0.7
LTB-2	IS:318-1981	Rem.	4-6	4-6	4-6	0.35	2		0.01		0.02	0.4				0.8

EUROPE- EN 1982:1998

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
CuSn5Zn5Pb5	(CB491K)	83-86.5	4.2-6	4.2-5.8	4.5-6.5	0.25	2	0.03	0.01		0.01	0.25	0.08			
CuSn6Zn4Pb2	(CB498K)	86-89.5	5.7-6.5	1.2-2	3.2-5	0.25	1	0.03	0.01		0.01	0.25	0.08			
CuSn7Zn2Pb3	(CB492K)	85-88.5	6.2-8.0	2.7-3.5	1.7-3.2	0.2	2	0.03	0.01		0.01	0.25	0.08			
CuSn7Zn4Pb7	(CB493K)	81-84.5	6.2-8	5.2-8	2.3-5	0.2	2	0.03	0.01		0.01	0.3	0.08			

ITALY - UNI

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
B Zn 7	UNI1698	83-85	5-7.5	4	Rem	0.5	1	0.05				0.5				
G-CuSn3Zn10Pb7	UNI7013	Rem	3-5	5-7.5	9-11	0.4	2	0.05		0.2		0.4	0.2			1.2
G-CuSn5Zn5Pb5	UNI7013	Rem	4-6	4-6	4-6	0.3	2	0.05		0.1		0.4	0.1			1
G-CuSn7Zn4Pb6	UNI7013	Rem	6-8	5-7	3-5	0.25	2	0.05		0.1		0.35	0.1			0.7

JAPAN - JIS

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
BC-1	H2203	79-83	2-4	3-7	8-12	0.35	1	0.05	0.01		0.01	0.2				
BC-6	H2203	83-87	4-6	4-6	4-6	0.3	1	0.05	0.01		0.01	0.2				
BC-7	H2203	86-90	5-7	1-3	3-5	0.2	1	0.05	0.01		0.01	0.2				

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USA- ASTM

Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Bi	Cr	Impurities
C83300		92-94	1-2	1-2	2-6											
C83450		87-89	2.2-3	1.5-2.5	5.5-7.5	0.25	0.8 - 1.5	0.03	0.005		0.005	0.25	0.08			
C83500		86-88	5.5-6.5	3.5-5.5	1-2.5	0.25	0.5- 1	0.03	0.005		0.005	0.25	0.08			
C83600		84-86	4.3-6	4-5.7	4.3-6	0.25	1.000	0.05	0.005		0.005	0.25	0.08			
C83800		82-83.5	3.5-4.2	5.8-6.8	5.5-8	0.25	1.000	0.03	0.005		0.005	0.25	0.08			
C83810		Rem.	2-3.5	4-6	7.5-9.5	0.5	2.000		0.005		0.1					
C84200		78-82	4-6	2-3	10-16	0.4	0.800	0.05	0.005		0.005	0.25	0.08			
C84400		79-82	2.5-3.5	6-8	7-10	0.4	0.800	0.020	0.005		0.005	0.25	0.08			
C84410		Rem.	3-4.5	7-9	7-11		1.000		0.010		0.20			0.05		
C84500		77-79	2-4	6-7.5	10-14	0.4	1.000	0.02	0.005		0.005	0.250	0.08			
C84800		75-76.7	2-3	5.5-7	13-17	0.4	1.000	0.02	0.005		0.005	0.250	0.080			
C92210		86-89	4.5-5.5	1.7-2.5	3- 4.5	0.250	0.7 -1	0.03	0.005		0.005	0.2	0.05			
C92220		86-88	5 -6	1.5-2.5	3-5.5	0.25	0.5 - 1	0.05								
C54400		Rem.	3.5-4.5	3.5-4.5	1.5-4.5	0.1		0.01-0.5								

Cutech

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