

Cutech Alloys Private Limited

ITALY - UNI

Aluminium Bronze														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Impurities
Cu83Al9Zn4Fe3Ni2	UNI	Rem.	0.3	0.2	2- 4	1.5 - 3.5	1- 4		8- 9.5	2.5	0.15			0.15
G-CuAl11Fe4	UNI5274	81-87	0.2	0.05	0.2	3- 5	2.5		10- 11.5	1	0.05			0.4
G-CuAl11Fe4Ni4	UNI5275	78-84	0.1	0.05	0.1	3- 5	3 - 5.5		10- 11.5	3.5	0.05			0.2
G-CuAl9Fe3	UNI5273	83-89	0.2	0.05	0.2	2.5 - 4	1.5		8.5- 9.5	1.5	0.05			0.4

Tin Bronze														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Impurities
B10	UNI1698	88-92	8-12	1.0		0.3	0.5	0.05				0.2		
B14	UNI1698	84-88	12-16	1		0.3	0.5	0.05				0.2		
B20	UNI1698	78-81	18-21	1		0.3	0.5	0.05				0.2		
B Zn 2	UNI1698	92-94	3-5	2	Rem	0.2	0.1	0.05				0.1		
B Zn 4	UNI1698	85-88	9-11	1	Rem	0.3	1.0	0.05				0.3		
B Zn 6	UNI1698	85.5- 87.5	7.5- 8.5	2.5	Rem	0.2	0.1	0.05				0.3		
G-CuSn10	UNI7013	Rem.	9-11	0.8	0.5	0.2	0.7	0.05		0.2		0.2	0.1	
G-CuSn10Zn2	UNI7013	Rem.	8.5-11	1.3	1-3	0.2	1	0.05		0.2		0.3	0.1	2
G-CuSn10Zn2Ni2	UNI7013	Rem.	9-11	1	1.5 - 2.5	0.2	1.8 - 2.5	0.05		0.2		0.3	0.1	2
G-CuSn12	UNI7013	Rem.	11- 13	1	0.5	0.2	0.7	0.05		0.2		0.2	0.1	1.5

Gun Metal														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	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

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Leaded Bronze														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Impurities
B Pb 4	UNI1698	85-87	9-11	2-6	1	0.1	0.2			0.05		0.1		
BS Pb 12	UNI1698	79-81	7-9	8-13	0.1	0.2	1			1		0.3		
BS Pb 30	UNI1698	64-68	2.5-3.5	28-32	0.1	0.2	1			0.05		0.2		
BS Pb 7	UNI1698	78-81	9-11	6-8	0.1	0.3	2.5-3.5			0.05		0.2		
BS Pb 8	UNI1698	82-86	6-8	7-9	1	0.3	1			1		0.2		
G-CuSn10Pb10	UNI7013	Rem	9-11	8.5-10.5	1	0.15	1.5	0.01		0.05		0.50	0.2	1
G-CuSn5Pb20	UNI7013	Rem	4-6	19-23	1.5	0.15	2	0.01		0.05		0.75	0.2	0.5
G-CuSn8Pb15	UNI7013	Rem	7-9	13-17	1	0.15	2	0.01		0.05		0.50	0.2	1

Brass														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Impurities
G-CuZn34Pb2	UNI5036	62-65	1	1.5-2.5	Rem	0.6	1	0.1	0.05	0.5	0.05	0.1		
G-CuZn36	UNI5034	62-65	0.5	0.4	Rem	0.35	0.5	0.05	0.05	0.4	0.05	0.05		
G-CuZn38Pb2	UNI5035	59.5-82	1.3	1.5-2.5	Rem	0.6	1	0.05	1	0.7	0.3	0.1		
G-CuZn40	UNI5033	59- 61	0.5	0.5	0.25	0.5	0.5	0.05	0.35	0.3	0.05	0.15		

High Tensile Brass														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Impurities
G-CuZn38Al1Fe1Mn1	UNI6138-68	58-61	0.3	0.2	Rem	0.5-1.5	2.5	0.05	0.5-1.5	0.5 - 2.5	0.1	0.05	0.05	
G-CuZn39Al2Fe1Mn2	UNI6138-68A	54-58	0.1	0.05	Rem	0.5-2	0.5	0.05	1-3	1- 4.5	0.1	0.05	0.05	
G-CuZn39Al2Fe1	UNI6139	54-58	0.1	0.05	Rem	0.5-2	0.5	0.05	1-3	1- 4.5	0.1	0.05		

Silicon Brass														
Copper Alloys	Standard	Cu	Sn	Pb	Zn	Fe	Ni	P	Al	Mn	Si	Sb	S	Impurities
G-CuZn36Si1Pb1	UNI5038	61-63	0.5	0.5- 1.2	Rem	0.3	0.5	0.05	0.25	0.15	0.8-1.2	0.1		
G-CuZn39Si1	UNI5037	59-61	0.2	0.15	Rem	0.15	0.2	0.05	0.2	0.15	0.8-1.1	0.05		

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