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Copper Based Alloys Chart

Dean Group Number	Specification BS1400 1985	Type of Metal	Composition % MAX						Typical Applications
			Copper	Tin	Zinc	Lead	P	Fe	
C04	HCC1	High Conductivity Copper	99+						Electrical Contacts, for the swithchgear industry
C06	LG2	Leaded Gun Metal	rm	6	6	6	0.02	0.25	Valve furniture
CO7	LG4	Leaded Gun Metal	rm	8	3	3.5	_	0.2	Marine applications
C03	HTB1	High Tensile Brass	57#	1	rm	0.5	_	2	Copper based with mechanical strength
C05	HTB3	High Tensile Brass	55#	2	rm	0.2	_	1	Copper based with mechanical strength

Where indicated thus minimum figures.

~ Registered trade mark and / or proprietary alloy. Similar material.

* Residuals.

Please note BS1400 1985 does not quote mechanical figures for the Investment Casting process.

Aluminium Based Alloys Chart

Dean Group Number	Specification	Type of Metal	Composition % MAX						UTS MIN N/mm2	5.65 MIN N/mm2	Typical Applications
			Aluminium	Copper	Magnesium	Silicon	Iron	Manganese			
A01	LM6	Aluminium	rm	0.1	0.1	13	0.6	0.5	160	5#	For more info please see BS1490 1988
A02	LM25	Aluminium	rm	0.2	0.6	7.5	0.5	0.3	130	1#	

Where indicated thus, 5.65 Proof Stress values are for information only.

Please note The Dean Group do not guarantee the above information, please use for reference purposes only.

Ref Production / Cast material Tables.