Material: BSI BS1400 CMA1 CuMn13Al8Fe3Ni3

Standard Specification for Copper Alloy and High Conductivity Conductivity Copper Casting

Group: *Non-Ferrous Copper Alloy*
Sub Group: *BSI BS1400 Copper Alloy and High Conductivity Conductivity Copper Casting*
Application: *Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade*
Belongs to the Industry: *Ingot and Casting*

Chemical Composition		
Tin	Sn %	0.500 max.
Zinc	Zn %	1.000 max.
Lead	Pb %	0.050 max.
Phosphorus	P %	0.050 max.
Nickel	Ni %	1.500 - 4.500
Iron	Fe %	2.000 - 4.000
Aluminium	Al %	7.000 - 8.500
Manganese	Mn %	11.000 - 15.000
Silicon	Si %	0.150 max.
Magnesium	Mg %	0.050 max.
Other	Ot%	0.300 max.
Copper	Cu %	Balance
-	-	-
-	-	-
-	-	-

Heat Treatment
As-Cast

Mechanical Properties	
Tensile Strength in Mpa	650 min.
Yield Strength in Mpa	280 min.
Elongation in %	18 min.
Reduction of Area in %	-
Hardness in BHN	-
Impact in Joule	-

Cross Reference Table			
Material	**Standard**	**Country**	**Grade Belong to the Industry**
957B	AS	Australia	Ingot and Casting
C95710	AS	Australia	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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