

## Material: BSI BS1400 LG1 CuSn3Pb5Zn8

### 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:** Casting

Chemical Composition			Heat Treatment	
Tin	Sn %	2.000 - 3.500	As-Cast	
Zinc	Zn %	7.000 - 9.500		
Lead	Pb %	4.000 - 6.000		
Nickel	Ni %	2.000 max.		
Aluminium	Al %	0.010 max.		
Fe + As + Sb	Fe+As+Sb	0.750 max.		
Silicon	Si %	0.020 max.		
Bismuth	Bi %	0.100 max.		
Sulphur	S %	0.100 max.		
Other	Ot%	1.000 max.		
Copper	Cu %	Balance	<b>Mechanical Properties</b> Tensile Strength in Mpa 180 min. Yield Strength in Mpa 80 min. Elongation in % 11 min. Reduction of Area in % - Hardness in BHN - Impact in Joule -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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