

## Material: BSI BS1400 CN2 CuNi30Nb

### 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			Heat Treatment	
Lead	Pb %	0.005 max.	As-Cast	
Phosphorus	P %	0.005 max.		
Nickel	Ni %	28.000 - 32.000		
Iron	Fe %	1.000 - 1.400		
Manganese	Mn %	1.000 - 1.400		
Silicon	Si %	0.200 - 0.400		
Bismuth	Bi %	0.002 max.		
Sulphur	S %	0.010 max.		
Nb + Ta	Nb % + Ta%	1.200 - 1.400	Mechanical Properties	
Carbon	C %	0.020 max.	Tensile Strength in Mpa	480 min.
Cobalt	Co %	0.050 max.	Yield Strength in Mpa	300 min.
Other	Ot%	0.300 max.	Elongation in %	18 min.
Copper	Cu %	Balance	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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