

## Material: BSI BS1400 HTB3 CuZn28Al5FeMn

### 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	
Tin	Sn %	0.200 max.	As-Cast	
Lead	Pb %	0.200 max.		
Nickel	Ni %	1.000 max.		
Iron	Fe %	1.500 - 3.250		
Aluminium	Al %	3.000 - 6.000		
Manganese	Mn %	4.000 max.		
Silicon	Si %	0.100 max.		
Other	Ot%	0.200 max.		
Copper	Cu %			
Zinc	Zn %	Balance	Mechanical Properties	
-	-	-	Tensile Strength in Mpa	740 min.
-	-	-	Yield Strength in Mpa	400 min.
-	-	-	Elongation in %	11 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in BHN	-
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
869D	AS	Australia	Ingot and Casting
C86300	AS	Australia	Ingot and Casting
CuZn26Al4Fe3Mn3	ISO	International	Ingot and Casting
-	-	-	-
-	-	-	-
-	-	-	-
-	-	-	-

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