

## Material: BS EN 1982 CuNi30Fe1Mn1-B (CB381H)

### Standard Specification for Copper and Copper Alloys - Ingot and Casting

**Group:** Non-Ferrous Copper Alloy

**Sub Group:** BS EN 1982 Standard Specification for Copper and Copper Alloys - Ingot and Casting

**Application:** Intended for Valve, Pump, General Engineering, Automotive and Other Industries Grade

**Belongs to the Industry:** Ingot and Casting

Chemical Composition			Heat Treatment	
Aluminium	Al %	0.010 max.	As-Cast	
Carbon	C %	0.030 max.		
Phosphorus	P %	0.010 max.		
Lead	Pb %	0.030 max.		
Sulphur	S %	0.010 max.		
Zinc	Zn %	0.500 max.		
Silicon	Si %	0.100 max.		
Iron	Fe %	0.500 - 1.500		
Manganese	Mn %	0.600 - 1.200	Mechanical Properties	
Nickel	Ni %	29.000 - 31.000	Tensile Strength in Mpa	340 min.
Copper	Cu %	64.500 min.	Yield Strength in Mpa	120 min.
-	-	-	Elongation in %	18 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HBW	80 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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