



## 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		
Nickel	Ni %	29.000 - 31.000		
Copper	Cu %	64.500 min.	<b>Mechanical Properties</b> Tensile Strength in Mpa      340 min. Yield Strength in Mpa      120 min. Elongation in %      18 min. Reduction of Area in %      - Hardness in HBW      80 min. Impact in Joule      -	
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Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
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**Further any inquiry to discuss with Gravity Cast Pvt. Ltd. – Gravity Group of Companies team member Call on +918469160029, or email [marketing@gravitycastindia.com](mailto:marketing@gravitycastindia.com)**

All information in our data sheets and website is indicative only and is not intended to be a substitute for the full specification from which it is extracted. It is intended to provide typical values to allow comparison between metal alloy option rather than a definitive statement of mechanical performance or suitability for a particular application as these will vary with temperature, product type and product application. It is presented apart from contractual obligations and does not constitute any guarantee of properties or of processing or application possibilities in individual cases. Our warranties and liabilities are stated exclusively in our terms of business.