



## Material - UNI EN 1982 CuZn37Al1-B

### Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - UNI EN 1982 Copper and Copper Alloys - Ingots and Castings

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 %	0.600 - 1.800	As-Cast	
Iron	Fe %	0.400 max.		
Manganese	Mn %	0.400 max.		
Nickel	Ni %	1.800 max.		
Phosphorus	P %	0.020 max.		
Lead	Pb %	0.400 max.		
Antimony	Sb %	0.050 max.		
Silicon	Si %	0.500 max.		
Tin	Sn %	0.400 max.	Mechanical Properties	
Cu + Ni	Cu%+Ni%	60.000 - 63.000	Tensile Strength in Mpa	450 min.
Zinc	Zn %	Balance	Yield Strength in Mpa	170 min.
-	-	-	Elongation in %	25 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	105 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC766S	BS	British	Ingot and Casting
CB766S	EN	European Union	Ingot and Casting
CB766S	BDS	Bulgaria	Ingot and Casting
CB766S	CSN	Czech Republic	Ingot and Casting
CB766S	DIN	Germany	Ingot and Casting
CuZn37Al1-B	AFNOR NF	France	Ingot and Casting
CuZn37Al1-B	UNE	Spain	Ingot and Casting

**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)**

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