



## Material - EN 1982 CuZn38Al-B

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

Group - Non-Ferrous Copper Alloy

Sub Group - 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 %	0.100 - 0.800	As-Cast	
Iron	Fe %	0.400 max.		
Manganese	Mn %	0.400 max.		
Nickel	Ni %	0.800 max.		
Phosphorus	P %	0.050 max.		
Lead	Pb %	0.100 max.		
Silicon	Si %	0.050 max.		
Tin	Sn %	0.100 max.		
Cu + Ni	Cu%+Ni%	59.000 - 64.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	380 min.
-	-	-	Yield Strength in Mpa	130 min.
-	-	-	Elongation in %	30 min.
-	-	-	Reduction of Area in %	-
-	-	-	Hardness in HB	75 min.
-	-	-	Impact in Joule	-

Cross Reference Table			
Material	Standard	Country	Grade Belong to the Industry
CC767S	BS	British	Ingot and Casting
CB767S	UNI	Italy	Ingot and Casting
CB767S	MSZ	Hungary	Ingot and Casting
CB767S	DIN	Germany	Ingot and Casting
CB767S	AFNOR NF	France	Ingot and Casting
CuZn38Al-B	ONORM	Australia	Ingot and Casting
CuZn38Al-B	MSZ	Hungary	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)**

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.