



GRAVITY CAST PVT. LTD.
GRAVITY GROUP OF COMPANIES

Material - CSN EN 1982 CC766S

Standard Specification for Copper and Copper Alloys - Ingots and Castings

Group - Non-Ferrous Copper Alloy

Sub Group - CSN 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 %	0.300 - 1.800	As-Cast	
Iron	Fe %	0.500 max.		
Manganese	Mn %	0.500 max.		
Nickel	Ni %	2.000 max.		
Lead	Pb %	0.500 max.		
Antimony	Sb %	0.100 max.		
Silicon	Si %	0.600 max.		
Tin	Sn %	0.500 max.		
Cu + Ni	Cu%+Ni%	60.000 - 64.000	Mechanical Properties	
Zinc	Zn %	Balance	Tensile Strength in Mpa	450 min.
-	-	-	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
CB766S	BS	British	Ingot and Casting
CC766S	AFNOR NF	France	Ingot and Casting
CC766S	BDS	Bulgaria	Ingot and Casting
CC766S	SFS	Finland	Ingot and Casting
CuZn37Al1-C	ONORM	Australia	Ingot and Casting
CuZn37Al1-C	MSZ	Hungary	Ingot and Casting
CuZn37Al1-C	UNI	Italy	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

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.

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